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arah Johnston.

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Pvt. Isaiah Johnston.

[Mamm]als. - Total number of mammals collected [by] Mearns & Holzner, together and separately, on [I]nternational Boundary Survey (from [F]ebr. 3, 1892 to May 6, 1894) —— 2515

[B]irds. - Total number of Birds collected by Mearns & Holzner, together and separately, on International Boundary Survey (from February 1, 1892 to May 5, 1894) - - - 4448

Contents.

Measurements of mammals on page. 100
" " Birds " " 200

Fort Clark, Kinney County, Texas.

July 14 — July 14th, 1893. – Drove to Spofford Junction. Saw families of Scissors Tails (Milvulus forficatus), recently from nest, perched on barbed wire fences and telegraph wires. A number of Nighthawks were sitting on the barbed wires.
Texas Bob Whites, in families about two-thirds grown were seen in families.
Chondestes grammacus strigatus. This is one of the most characteristic species. They are now congregating in the post in families, 20 or 30 birds often together in a flock.
Numenius longirostris. – Several seen & heard.
Ardea virescens. – Common on Las Moras Creek.
Auriparus flaviceps. – Several nests seen by roadside.

July 15 — July 15th, 1893, Fort Clark, Texas.

Thryothorus bewicki bairdi. – Began singing at daybreak; some still breeding about the officers' quarters.

July, 21, 1893. Fort Huachuca, Arizona (Alt. 5100)
Tramped to rimrock around summit of Nigger-head Mt., alt. 7200 feet, with Major T. E. Wilcox
Pipilo maculatus megalonyx. – From 5100 up to 7200 feet; common.
Falco peregrinus anatum. – An adult was mortally wounded by Surgeon Wilcox at the base of the cliffs around the summit of Niggerhead. It managed to get over a ridge out of sight and could not be recovered.
Cyrtonyx montezumae mearnsi Nelson. – Dr. Wilcox tells me that this species, in winter, comes down out of the snow region & keeps just below the snow line.
Salpinctes obsoletus. – Found nest under flat stone, 4 young less than a week old. The

July 21 — nest was small, filling the cavity, neatly made of fine grass and perhaps other soft materials. Contained 4 young. Altitude about 6300 feet.
Catherpes mexicanus conspersus. – Singing in the cliffs around the summit of Niggerhead.
Piranga hepatica. – One male seen 6100.
Piranga ludoviciana. – One male, alt. 5100.

July 28 — Cynomys arizonensis. – Five females were shot by myself and Steward E. C. Merton. All had the mammae four pairs, one of which was thoracic, 2 ~~ing~~ abdominal, and one inguinal.

List of Birds seen in the Huachuca Mountains July 16 to 27 at Fort Huachuca. July 31 ascended the main peaks from camp on San Pedro River.
Aegialitis vocifera. – The only wader seen.
Meleagris gallopavo mexicana. – Near the highest summit July 31.
Columba fasciata. – Not abundant owing to scarcity of acorns; but, in Tanner's Canon, early in July, two soldiers killed over 80 in one day in a grove of Quercus emoryi where the acorn crop chanced this season to be good.
Zenaidura macroura. – Abundant.
Cathartes aura. – Very common.
Accipiter velox. – Several seen.
Buteo borealis calurus. – Common.
Falco peregrinus anatum. – One shot July 21. See note on opposite page.
Falco sparverius deserticolus. – Common.
Syrnium ________ ? – On the night of July 31 I heard a Barred Owl in the canon in which the Tombstone water works are located.
Megascops asio trichopsis. – Heard July 31st.
Glaucidium gnoma. – Mr. H. H. Kimball showed me a specimen killed at Tombstone Reservoir, November, 1892. Several were heard by us on the night of July 31, 1893 in same ca[illegible]
Micropallas whitneyi. – Capt. Fowler's son killed one near Fort Huachuca.

(Birds of Huachuca Mts.)

Trogon ambiguus. – Heard at summit July 31.
Dryobates scalaris bairdi. – Several seen.
Dryobates arizonae. – Several seen in Tanner's Cañon.
Melanerpes formicivorus aculeatus. – Very abundant from base to summit of mountain.
Colaptes ? – A yellow-shafted flicker (No. 9460) was shot in Tombstone W.W.C.
Chordeiles – Very common.
Antrostomus vociferus arizonae. – One was heard in Tombstone W.W. Cañon July 31. A specimen of Whippoorwill with horns was captured in the hospital ward at Ft. Huachuca on the night of July 25, 1893. (No. 9446).
Phalaenoptilus nuttalli. – One was seen at an altitude of 8000 feet July 31st.
Micropus melanoleucus. – Common about rocky summits.
Selasphorus platycercus. – Abundant. One shot on Aloe parryi at summit of Huachuca Cañon.
Tyrannus vociferans. – Very common from base to summit. T. verticalis was not seen.
Myiarchus cinerascens. – Common.
Sayornis saya. – At Ft. Huachuca.
Sayornis nigricans. – A pair breeding July 31, at Tombstone Reservoir, Huachuca Mts.
Contopus richardsoni. – Found from base to top.
Empidonax difficilis?? – Specimen (No. 9465) shot at altitude of 8000 feet; Tombstone W.W. Cañon.
Otocoris a. adusta. – All around base of Mts.
Cyanocitta stelleri macrolopha. – Found at the highest summits and down to lower edge of timber in groves of Quercus emoryi.
Aphelocoma sieberii arizonae. – Very abundant. Not seen higher than 7500 feet.
Corvus cryptoleucus. – In flocks: as many as 100.
Picicorvus columbianus. – Not seen, but the species occurs on the Mts.
Molothrus ater obscurus. – Common near Fort Huachuca, not seen much higher.

[Juniperus pachyphloea
Pinus cembroides (= edulis? includes? var.)
" chihuahuana
" arizonica, Engelm.
" ponderosa
edulis. (Ft. Apache 2-leaved).
Psëudotsuga taxifolia
Abies concolor
Mexican White Pine 'Ayāhuite' in Tanner's Cañon.
Houstonia wrightii. – July 21. Ft. Huachuca.]

(Birds of Huachuca Mts.)

Icterus parisorum. – Common near summit. Its song is exquisite.
Icterus cucullatus nelsoni. – In oak and sycamore trees near base.
Icterus bullocki. – do
Spinus psaltria arizonae. – Common; not seen above 6000 feet.
Chondestes grammacus strigatus. – Abundant.
Junco cinereus palliatus. – Abundant from 7500 feet to summits. One shot July 31st.
Peucaea ruficeps boucardi. – Common in low, scrubby oaks; singing.
Pipilo maculatus megalonyx. – Found from 5000 feet to summits. Also seen in 1892 at summits of San Luis & San José Mts.
Habia melanocephala. – Extremely abundant. A fruit grower, who owns an orchard in a cañon at the base of the Mts., told me he had killed hundreds to save his fruit. I saw several dead ones that he had tied to his peach trees in the hope of intimidating others.
Guiraca caerulea eurhyncha. – Several seen near mouths of cañons at foot of Mts.
Piranga ludoviciana. – Seen from 5200 feet nearly to highest summits.
Piranga hepatica. – Common in oaks & J. pachyphloea

Camp at Niggerhead Monument
Monument No 82.

Arrived late at night August 14th.
On August 15th took a long walk west, and then returned + climbed Niggerhead. The mountain is a precipitous crag. On the summit Lt. S. H. McMaster ran upon a White-tailed Deer or Mountain Sheep. I was shooting birds and unwittingly frightened it from the peak. The birds seen on the mountain were a number of Salpinctes obsoletus, one Sayornis saya, one Accipiter cooperi, one Empidonax fulvifrons, one Dryobates v. bairdi, several Cathartes aura, and one Poleoptila c. ____?
In the neighborhood were seen hundreds of Calamospiza melanocorys in summer dress, many Peucaea cassini, and Callipepla squamata, one Geothlypis ~~ph~~ macgillivrayi. One Bubo virg. subarcticus was shot.
Mammals: Lepus texianus, L. arizonae major, many mounds of Dipodomys spectabilis, signs + houses of Neotoma, and one Deer or Mtn Sheep on Niggerhead. A large bat (Antrozous pallidus?) flew over my bed ~~all~~ night last night.
Trees:— In cañons Hackberry and Desert Willow, a few of the latter had blossoms on. On Niggerhead a few Quercus griseus, "Saw Cactus", Beargrass, + Aloe Palmeri.

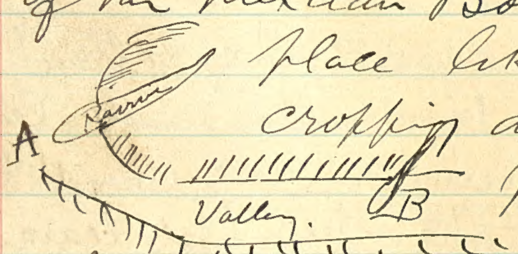
Aug. 16, 1893.— Camp at Niggerhead (Mt. 82).
Pipilo fuscus mesoleucus.— Common; singing early in the morning.
Peucaea cassini.— Begins its sweet singing at the first streak of dawn; breeds; young on the wing.

Fossil bed near Guadalupe Cañon

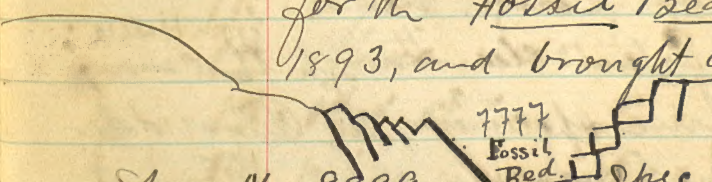
Hall took me to it in August 1892. One of his employees "Geo. Higgins", now living at Bisbee, Arizona knows where it is.

In August, 1893 I went to the general locality twice but failed to find the exact locality, though I found the formation + got some turtles.

The place is to the right of an old wagon-road from Hall's Ranch in Guadalupe Cañon (monument No. 73) to the San Bernardino Valley (running NW.), at the base of a Chain of Mts. on the right of the road. It is in the S.E. corner of Arizona perhaps a couple of miles west of the New Mexico line + 3 miles north of the Mexican Boundary line, in a place like this.



We found the cropping at B. + A. last year and piled up a quantity of the fossils at A, which I never went back for. The locality is more properly in San Bernardino Valley as it is across the divide + the drainage is in that direction. I should say the place was less than a mile from the wagon-road. Mr. Van Ornum found a different cropping of the same formation nearer the boundary line, when making the topographical survey in 1892. He sent me specimens.
Guadalupe Cañon. Oct. 3, 1893.— Hunted unsuccessfully for the Fossil Bed. Visited the cropping found in 1893, and brought a tortoise and specimens of the two formations on either side of it: also two different fossils from near there. Nos 6666 (2 specimens) are two fossils from neighboring locality but different horizon



Spec No. 9999 Spec No. 8888.

Trees of Guadalupe Cañon (Hall's).

1 Cottonwood. – Common. Some trees are very large.
2 Small leaved Willow. – Not common.
3 Desert Willow. – Some are in flower.
4 Ash. – Not very numerous; found throughout
5 Quercus emoryi. – Common
6. Quercus ~~grisea~~ arizonica. – Not common.
7 Glaucous Oak (Quercus oblongifolia). – Abundant, large. One tree 3 ft diam & 40 feet high.
8 Sycamore. – The prevailing tree; some large ones; extends to the San Bernardino River.
9 Hackberry. – Common.
10. Red Cedar. – Common. One tree 3° × 30°.
11 Mesquite (Prosopis juliflora). – In the cañons.
12 Aloe palmeri. – Abundant; a vinneterrea.
13 Yucca Baccata. – One seen $2\frac{1}{2}$ ft diam & 20° high
14 Vitis arizonica. – ~~In~~ With nearly ripe fruit.
15 Morus. – Common. 20° high.

On Pajon Creek, opposite (S. of) Hall's, I saw 2 species of willow besides the small-leaved one. Of the two large species, one appeared to be the Sand-bar Willow (Salix nigra). The other had leaves whitish below instead of green both sides. I got a specimen of the whitish leaved one (Salix occidentalis longipes). Large sycamores extend nearly to the junction of Pajon Creek with San Bernardino River.

Pinus ~~monophylla~~ cembroides } not found until
Juniperus pachyphloea } near the head of Guadalupe Cañon
Juniperus occidentalis extends through the cañon.
Pinus chihuahuana grows abundantly on the hills west of Cloverdale, where some branches of Guadalupe Cañon head.
Juglans rupestris – Extends clear through the cañon from Hall's; there are some fine specimens at Cloverdale.
~~Prosopis juliflora~~ The Apoponax (Acacia constricta) grows throughout the cañon. Aloe palmeri. – Abundant.
"Saw Cactus" common in places.
High Beargrass. – do
Arbutus? – high shrub like "madrona" spec.
China Tree. – Scarce. (Sapindus)

Trees at Niggerhead.

1 Red Cedar. – When the rise from the Piedras Negras, ~~San~~ Sulphur Spring Valley, to Niggerhead was reached this tree was first seen going east from the Huachuca Mtns. At first only found in cañons; afterwards on the hill slopes; a low, stunted growth.
2 Quercus ~~grisea~~ arizonica. – A few small trees on Niggerhead & adjacent mountains.
3 Desert Willow (Chilopsis linearis) – Many with flowers.
4 Hackberry (Celtis). A few near cliffs in cañons.
5 Ash (Fraxinus velutina). – A few in cañons in the hills.
6 Prosopis juliflora. – A few small trees.
7 Morus celtidifolia. – A few bushes around the base of the mtns.

Aloe palmeri, Yucca baccata, Saw Cactus (Dasylirion wheeleri), Spiny Palo Verde (Koeberlinia), Apoponax (Acacia constricta) and China Tree.

Trees at San Bernardino: –

1 Small-leaved Willow (Salix taxifolia). – Common (spec.)
2 Sand-bar Willow (Salix nigra). – Common (spec. with bark.)
3 Cottonwood (Populus fremontii Watson).
4 Desert Willow (Chilopsis linearis).
5 Tree with heavy spines (greenish) and green balls of fruitage in clusters. One very large one was $1\frac{1}{2}° \times 20°$. Holacantha emoryi Gray. [No 1]
6 Hackberry (Celtis reticulata). – Common in side cañons.
7 Ash. – A few.
8 Prosopis juliflora. – The prevailing vegetation. Some formed tree 2° × 25°.
9 Yucca baccata } In the neighboring hills.
10 ~~Aloe~~ Agave palmeri }
11 Apoponax (Acacia constricta). – Very common; large.
12 China Tree (Sapindus marginatus Willdenow).
13 Red Cedar (Juniperus occidentalis monosperma).
14 Rhus aromatica or trilobata
15 " toxicodendron Linnaeus.

Trees on Cajon Bonito Creek:—

On September 8th I drove to the head of Cajon Creek from San Luis Spring, about nine miles, following a principal cañon, after the edge of the Animas (=Spirit or Ghost) Valley was reached.

Along the foot of the San Luis Mountains, on the eastern edge of the Animas Valley we cut several points of timber, prolongations down shallow washes or "cañons" from the general timber-line of the mountains. These timber streaks were composed entirely of Quercus emoryi and Q. arizonica ~~grisea~~, chiefly the former. The "cañons" running to the Cajon Bonita from the southern extremity of the Animas flat are largely wooded near the tops with oaks and rough-barked juniper (Juniperus pachyphloea), lower down mixed with red cedar, sycamore, hackberry, walnut, china, desert willow, ash, ~~Aloe~~ Agave palmeri, Yucca baccata, mulberry, apoponax (Acacia constricta), prickly pear (Platopuntia) and Cholla Cactus (alt 5400 feet).

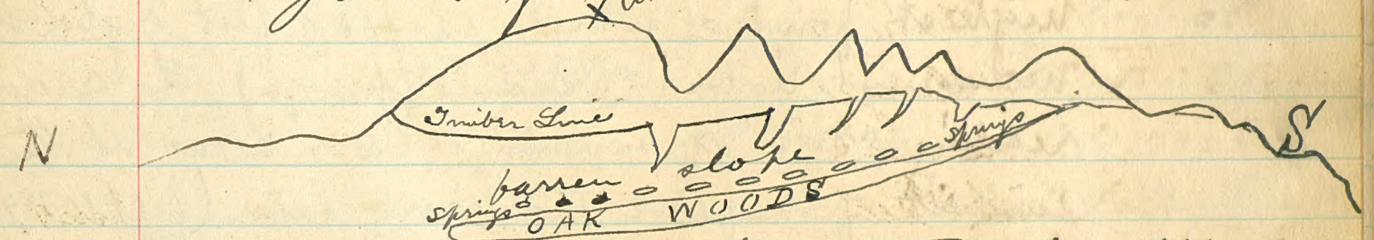
The south end of Animas "valley" or plain is largely covered with tall "beargrass".

When the cañon of the right fork of Cajon Bonita Creek was reached, heading in springs of rather warm water (lower down the main stream are hot springs), a fine forest growth of cottonwood, sycamore, willow (3 species) (Salix nigra, S. occidentalis longipes and S. taxifolia), ash, cherry, walnut, and china; with here and there a rough-barked juniper, red cedar, or even a straggling Arizona cypress. The head of the right fork has an altitude of 5000 feet. We walked down to the junction with the left or main fork, at which point the aneroid read 4900 feet, and then up the left fork several miles, when the reading was 5300 feet. Cottonwoods ~~and~~ willows and sycamores were still prevalent but the banks above the creek bottom were wooded with cedar, oak, mescal, yucca

saw cactus (Dasylirion wheeleri), prickly pear, Rhus toxicodendron, & ash. One Arizona cypress was seen as low as 4900 feet beside the stream. The willows (Salix taxifolia) are the small-leaved, here first noted going westward (I noted it at Cajon Creek throughout its course, in Guadalupe Cañon at San Bernardino, and along the San Pedro), Salix nigra, and a species in flower, having brittle stems, leaves whitish below, of which I gathered specimens — Salix occidentalis longipes.

Trees of Animas Mountains:—

Digram of Animas Mts.



Bottom of Animas flat or Plain or "Valley".

The western slope of these mountains shows conclusively that the timber line depends on moisture in the ground. Below the true timberline is a barren slope several miles in extent, at the foot of which is a chain of springs, below which is a belt of fine oak timber (Quercus emoryi & Q. arizonica ~~grisea~~) which derive moisture from the springs just above them.

The trees of Animas mountains are the same as those of the San Luis, with the addition of a distinct aspen zone at the top. The main "Animas Peak" is a more evenly rounded conical or mound-like eminence than any of those of the San Luis range; with the result that the forest zones are better defined. The northeast side has the most timber, the western side being rocky & precipitous. At the summit Quercus gambelii ~~undulata~~ and Populus tremuloides form a marked forest zone, below which Pseudotsuga and Pinus strobiformes ~~reflexa~~ grow luxuriantly, and are

bounded below by Pinus ponderosa, etc., the bases being wooded much as are the San Luis.

Tree specimens were gathered in 1892.

The Animas range is a continuation of the San Luis Mountains, which in turn are connected with the Sierra Madre of Mexico. Together they form the backbone of the continent. The Animas (= Spirit) lie wholly in New Mexico, the greater portion and all the highest peaks of the San Luis being in old Mexico. These two ranges are barely separated where the wagon-road crosses at San Luis Pass, the highest point of which is 400 feet higher than monument No 66 (= San Luis Springs), the aneroid reading 5500 at monument 66 & 5900 at the summit of the pass two hours later (Sept. 10, 1893).

Crossing through San Luis Pass (which corresponds to the zone of Q. Q. emoryi et ~~grisea~~ arizonica) from west to east, a valley having an ~~averaging~~ average altitude of 5400 feet is entered. The lines of oaks running down ravines from canons in the San Luis Mts are a conspicuous feature; and in one instance a straggling line of oaks actually becomes ~~still~~ continuous across the valley, joining one from a canon in the lower mountain range to the eastward.

Mexican Names of Birds:

Aegialitis vocifera = Tildillo
Callipepla gambeli = Codorniz
Woodpeckers (including Colaptes) = Carpentero
Geococcyx californianus = Paisano.
Zonotrichia intermedia = Llanero.

Trees of San Pedro River:

The tree growth is scanty.

Populus Fremonti. – Sparse; some few large ones.
Salix nigra. – On edge of stream.
" taxifolia (Small-leaved) do
Prosopis juliflora. – The characteristic tree.
Desert willow (Chilopsis linearis).
Hackberry (Celtis reticulata).
Morus celtidifolia. Said to be common near ?
China Tree. – Not abundant. Sapindus marginatus
Cholla Cactus scarce
Prickly-Pear. "

Notes on trees of Huachuca Mountains:

1 Quercus ~~glauca~~ oblongifolia. – This small, ~~elliptical~~-leaved white oak (Specimens Oct., 1892 (fruit) & July, 1893 leaf), grows lower than Q. emoryi, which latter has a lower range than Q. ~~grisea~~ arizonica; consequently it is the lowest oak, growing for the most part in ravines prolonged from canons of the mountains, thus extending its range far out on the plain. My observations are confined to the ~~North~~ South & east side of the Huachuca range. I never visited the west side.

2 Quercus chrysolepis (holly-leaved). – Took specimens at the altitudes of 6400 and 7000 feet (aneroid), which practically indicates its range. The lower were from a tree 2 feet in diameter & 25 ft. high, the former from scrubby bushes, near the summit of Niggerhead peak (S. side of Huachuca or Cat Canon), which is 7500 feet high. The spine-angled leaves came from shrubs, the entire leaved specimen from a tree.

3. Quercus emoryi. – Abundant next above No. 1.
4 " ~~grisea~~ arizonica. Range slightly higher than No. 3.
5 Quercus hypoleuca. – Common.
6 " reticulata ?. – Scrubby bush or low tree growing from summit halfway down the mountain. Acorns clustered, long stalked.

7 Quercus ~~undulata~~ gambelii. — This deciduous white barked oak is common near the summits.
8 Pinus ponderosa. — The common pine of the Mts.
9 Pinus arizonica. — A 5-leaved pine re-sembling ponderosa grows near the summit of Niggerhead Peak.
10 Pinus chihuahuana. Cones spineless. Common in cañons and low down.
11 Pinus cembroides (= edulis, monophylla, etc). The Piñon or Nut Pine begins about 6000 feet.
12 Pinus ~~reflexa~~ strobiformis. — Abundant in the higher portion of Miller's cañon and the peaks to north & south of it, which are the two highest of the range. Grows at the very summit of the north peak.
13 Abies concolor. — Ramsay or Box Cañon.
14 Pseudotsuga taxifolia. — Abundant; ranges from the highest peaks to low points in cañons.
15 Juniperus pachyphloea. — Abundant; ranges from 5000 feet upward.
16 Juglans rupestris. — Abundant in moist cañons. Nuts largest seen on the border.
17 Cerasus serotina? — Common; bark reddish gray; wood white; stones thin; edible. Found up to 6800 feet.
18 Fraxinus ~~pistaciaefolia~~ (= velutina). Abundant.
19 Negundo aceroides. — Miller's Cañon above the Tombstone waterworks. Acer negundo.
20 Vitis arizonica. — Common in cañons.
21 Rhus aromatica } Common.
22 Rhus glabra } Common.
23 Rhus toxicodendron } Common.
24 Arbutus texensis arizonica ("Madrona"). — Very common.
25 Arbutus ? — Common.
26 Arctostaphylos pungens ("Manzanita").
27 Cottonwood Populus ~~fremonti~~ fremontii. — From San Pedro River, in cañons up to ~~7100~~ 6100 feet.
28 Populus tremuloides. — Forms a distinct zone on highest peaks, at either

Ptelea. — Niggerhead.
Philadelphus ______ . — Syringa 6500+.
side of Miller's Cañon.
29 Salix nigra. — Along streams & in ravines.
30 Acer grandidentata? — Abundant. Gives a beautiful scarlet color to parts of the Mountain in October.
31 Platanus wrightii. — Lines of these sycamores stretch long distances down ravines from cañons of the mountains.
32 Sambucus canadensis. — Near summits.
33 Sambucus ? — Not common (Spec.
34 Prosopis juliflora. — Ranges from Fort Huachuca to the San Pedro River.
35 Desert Willow. — Sandy washes, mostly below the oaks. Chilopsis linearis.
36 Hackberry (Celtis reticulata). — Washes from base of Mts.
37 Aloe palmeri. — Ranges low } Hybridize??
38 " parryi " high. } Hybridize??
39 Yucca baccata. — Leaves soft & pliable in shady cañons, stiff & rigid in open.
40 "Saw Cactus". — Common. Dasylirion wheeleri.
41 Robinia neo-mexicana. — From base to summit.
42 Mountain Mahogany. — Abundant.
43 Cholla Cactus
44 Prickly Pear
45 Red Necklace Bean (~~Jatropha macrorhiza~~?).
46 Berberis. — Common in cañons above & below Tombstone Tank:

Trees of East Side of San Luis Mts.: —

Rode from White Water to the point where San Francisco Water emerges from the cañon on the eastern slope of San Luis Mts. The aneroid read 5170 at 7 A.M. at White Water. Returning at 5 P.M. the reading was 5330. Most of the readings were taken before noon. The mouth of the San Francisco Cañon read 5600 at 9 A.M. A few straggling rough-barked Junipers (Juniperus pachyphloea) were seen as low as that point (5600).

Pinus chihuahuana } First seen at 5650
Arizona Cypress } Cupressus guadalupensis.
Manzanita (Arctostaphylos pungens)
Sycamores, 2 2 emoryi & ~~grisea~~ arizonica, Extends far down

(Sept. 11. 1893.)

Up ravine to "San Francisco Water" & beyond.
Quercus reticulata. – First seen at 6250.
Quercus hypoleuca. – Seen down as far as my camp of 1892 (Reading 6025 1.30 P.M.).
Pinus ponderosa. – First seen at 6150 (11 A.M.).
" chihuahuana. – First seen at 5650 and thence as high as we went (6400 feet).
Cupressus ~~arizonensis~~ guadalupensis. – 5650 to 6400.
Juniperus pachyphloea 5600 to 6400
Juglans rupestris. – 5600 to 6200. A tree between hills near White Water at 5425.
Cerasus serotina. – 5600 to 6400 feet.
Fraxinus velutina 5600 to 6400. Common.
Vitis arizonica. – 5600 to 6300. Ripe fruit.
Rhus aromatica. – 5600 to 6400.
Arbutus texensis arizonica. 6025
Manzanita. – 5650 to 6400. Bears eat fruit.
Salix nigra. 6025 (Camp of 1892).
Acer. grandidentatum First seen at 6100 thence to 6400 (highest point visited).
Platanus wrightii 5600 to 6025 Common.
Aloe palmeri 5600 to 6400
Yucca baccata 5600 to 6400
Saw Cactus (5600 to 6400). Dasylirion wheeleri
Robinia NeoMexicana 6120 to 6400
Mountain Mahogany 6025 to 6400. (Cercocarpus)
Cholla Cactus 5170 to 6200.
Prickly Pear 5170 to 6400
Red Necklace Bean. 5600 to 6400 (Erythraeina)

Mule Mts, Arizona. Oct 8 to 10, 1893.
Cotton Plant (Gossypium?). – Common in ravines of the Mule Mts., Arizona: Anisacanthus thurberi!
Senna. – do Cassia
Legume with large yellow flowers & blackish pods very common all around the base of the Mule Mts. Also common about the Dog Mts., in Grant Co., New Mexico.
Baccharis. – Arrowwood is common in some canons of the Mule Mts.

San Jose Mts., Sonora. Aug. 7.
Rhus radicans (white berries at 6840 feet North side
The brush with cherry-like red berries at 7060 feet.

Holzner's mammals

~~Mammals~~ collected by Mr. Frank X. Holzner

No.	Date 1893 Nov.	Name	Sex and Age	Locality	Length to end of caudal vertebrae	Tail vert.	Height of ear above crown	Length of hind foot	Remarks
759	1	Sitomys arizonae Allen ~~sonoriensis~~	♀ ad.	San Pedro River, Monument No. 98.	202	94	17	23.5	Holzner's Collection
760	1	Onychomys melanophrys (large)	♂ juv.	Cochise County, Arizona.					Not measured.
761	1	" "	♀ im.	do	146	50	15	22	
762	2	Sitomys t. (bicolor) sonoriensis	♂ ad.	do	172	80	16.5	21.5	Very old and reddish.
763	2	" " "	♂ im.	do	147	71	15.	19.5	
764	2	" " "	♀ im.	do	156	74	15.	21	
765	8	Sigmodon minimus	♀ ad.	La Noria, Santa Cruz Valley at monument No. 111	233	72	15.5	31.5	
766	8	" "	♂ im.	do	212	96	13.	27.5	
767	8	Perodipus chapmani ~~Dipodomys (merriami)~~	♂ ad.	do	223	125	10.5	38.5	
768	8	Sitomys t. arizonae ~~(bicolor) Allen~~	♂ ad.	do	189	93	15.	23	
769	8	Peromyscus texanus sonoriensis	♀ ad.	do	171	70	14	20	
770	8	" " "	♂	do	162	72	15.5	20.5	
771	8	" " "	♀ ad.	do	167	72	15.5	20.5	
772	8	" " "	♂ ad.	do	157	67	15.	21	
773	8	" " "	♀ im.	do	144	61	14.5	19.5	
774	8	" " "	♀ im.	do	153	66	15.5	21	
775	8	" " "	♂ im.	do	137	60	14.	20.5	
776	8	Thomomys u. cervinus	♂ ad.	do	221	72	5.	28	
777	9	Chincha (Leucomitra) milleri ~~Thomomys Mephitis estor~~	♀ im.	do	668	335 (333)	18.	62	Nape of neck and tail intermixed with white; crown "heavy white"; all remainder of body black.
778	9	Thomomys u. cervinus	♀ ad.	do	210	71	4	29	
779	9	Sitomys arizonae (bicolor)	♂ juv.	do	152	69	—	—	
780	10	Mephitis ~~estor~~ milleri	♂ ad.	do	650	315	15.5	70	
781	10	Chincha (Leucomitra) milleri	♂ ad.	do	665	370	21.	65	
782	10	Onychomys melanophrys	♀ im.	do	142	45	15.	20.	
783	10	Thomomys umbrinus cervinus	♀ ad.	do	202	61	6.	26.5	
784	11	Mephitis (all black) milleri ~~estor~~	♂ ad.	do	675	390	16.	66	White stripe on side, back black.
785	11	Sigmodon minimus	♂	do					No measurements.
786	11	" "	♂	do					do
787	11	" "	♂	do	119	91	15.5	30.	
788	11	Thomomys umbrinus cervinus	♀ ad.	do	223	76	5.	30	
789	11	Sitomys texanus sonoriensis (bicolor)	♂ ad.	do	159	70	15.5	20	
790	11	" "	♀ im.	do	135	59	—	—	
791	12	Thomomys u. cervinus	♀ ad.	do	198	67	5	29.5	White spots on chin, centre and lower portions of body or belly.
792	12	" " "	♀ ad.	do	212	71	5.5	28	
793	12	" " "	♀ juv.	do	185	60	—	—	
794	12	Sitomys texanus sonoriensis (bicolor)	♂ ad.	do	156	70	15	20	
795	12	" "	♂ ad.	do	152	65	14.5	20	
796	12	" "	♂ ad.	do	168	71	14	20.5	
797	12	Sitomys boylii pinalis (with large ear)	♂ juv.	do	172	90	16	22	

Mammals collected by Mr. Frank X. Holzner.

No.	Date 1892 Nov.	Name	Sex and age	Locality	Length	Tail	Ear	Pes	
798	12	Sigmodon minimus.	♂	Santa Cruz River at monument No. 111, Mex. Bd. Line (La Noria).		110		29.5	Eaten in trap by Circus hudsonius (No. 1281).
799	13	Sitomys texanus sonoriensis (tricolor).	♀ juv.	do	150	64	14	21.	
800	13	Thomomys f. cervinus	♂ ad.	do	225	73	5.	30	
801	13	Perodipus chapmani ~~Dipodomys merriami~~	♀ ad.	do	head	and	body	111 ;	manus, 14; ear 12; pes, 39 mm.
802	13	Sigmodon minimus	♂ ad.	do	244	100	15	28.5	last portion of tail skin in steel trap.
803	14	Spermophilus grammurus	♀ ad.	Patagonia Mts., Mex. Bd. Line.	460	216	17	60	Still common.
804	14	" "	♂ juv.	do	380	181	—	—	
805	16	Sitomys boylii pinalis	♂ ad.	do	—	—	17.5	22	head and body, 88; manus, 12.5 mm.
806	16	Peromyscus boylii pinalis	♀ ad.	do	200	108	18	21	This mouse lives principally in rocks and cliffs, and is of ashy color, with slight brown on side.
807	16	" " "	♂ ad.	do	183	99	18	22	
808	17	Sitomys " "	♂ ad.	do	192	101	18	21	
809	17	Peromyscus boylii pinalis	♂ juv.	do	170	93	17	20.5	
810	17	" " "	♂ juv.	do	177	97	17.5	21.	
811	17	Chincha / Mephitis ~~estor~~ milleri	♂ ad.	do	680	355	20	65	Back black; white sides.
812	17	Chincha mesomelas estor	♂ ad.	do	635	280	15	71	
813	17	" " "	♀ ad.	do	595	315	14.5	66	
814	17	Chincha (Leuconotus) milleri	♂ ad.	do					Skull eaten; [illegible].
815	18	Peromyscus boylii pinalis	♀ ad.	do	207	116	19.	21.	
816	18	" " "	♂	do	185	105	17.	21.	
817	18	" " "	♀ juv.	Patagonia Mts (S.E. corner).	175	93	17	21.	
818	18	" " "	♀ juv.	do	157	82	17	20.5	
819	18	" " "	♂ ad.	do	—	—	18	22	manus, 12 mm. Eaten in trap.
820	18	" " "	♂ ad.	do	—	—	17.5	21	head and body, 93; manus, 11 mm. Tail off.
821	18	Spermophilus grammurus	♂ ad.	do	440	200	20.5	62	
822	18	Mephitis milleri (all white)	♂ ad.	do	680	385	16.	67	
823	18	Peromyscus texanus sonoriensis ~~Sitomys (tricolor)~~	♀ ad.	do	155	69	15	21	
824	19	Peromyscus boylii pinalis ~~Sitomys sonoriensis~~	♀ ad.	do	196	104	17	20.5	
825	19	Spermophilus grammurus	♂ ad.	do	455	216	19	[illegible]	
826	20	Peromyscus boylii pinalis ~~Sitomys~~	♂ juv.	do	175	93	15	21	
827	21	Neotoma intermedia albigula ~~mexicana~~	♂ ad.	do	333	153	26.5	33	Lives in rocks; builds no house.
828	21	Sitomys boylii pinalis	♀	do	180	99	16	20	
829	21	Peromyscus boylii pinalis	♀ ad.	do	189	105	16.5	21.5	
830	21	" " "	♂	do	176	94	15	[illegible]	
831	21	" " "	♀ ad.	do	—	—	16	20	head and body, 97; manus, 11 mm.
832	21	" " "	♂ juv.	do	189	108	16.5	21	
833	21	" " "	♂ ad.	do	—	—	16	20.5	head and body, 95; manus, 10.5 mm.
834	21	Spermophilus grammurus	♀ ad.	do	412	183	17	58	
835	22	Neotoma intermedia albigula ~~mexicana~~	♀ ad.	do	324	148	24	32.5	
836	22	Peromyscus boylii pinalis ~~Sitomys sonoriensis~~	♀ ad.	Santa Cruz River at La Noria.	192	109	15	21	Probably came from Huachuca Mts in a load of grain.

Mammals Collected by Mr Frank X. Holzner.

No.	Date 1892 Nov.	Name	Sex and age	Locality	Length	Tail	Ear	Pes	Remarks
837	26	Onychomys melanophrys	♀ ad.	Santa Cruz River at La Noria (Monument No. 111.)	141	45	16	21	
838	26	Spermophilus ~~spilosoma~~ macrospilotus	♀ juv.	do	202	70	2	28	
839	26	Sitomys texanus sonoriensis (bicolor)	♂ juv.	do	142	62	15.5	20	
840	26	Peromyscus texanus sonoriensis	♀ juv.	do	136	58	14.	20	
841	26	" " "	♂ ad.	do	164	73	15.5	22	
842	26	" " "	♂ juv.	do	140	62.5	15.	20	
843	26	" " "	♂	do	146	63	17	21	
844	26	" " "	♀	do	165	73	15	21.5	
845	26	Perodipus chapmani ~~Dipodomys merriami~~	♀ ad.	do	270	148	11	37	Eaten in trap.
846	27	Onychomys melanophrys	♀ ad.	do	143	48	14.5	20	~~Not~~
847	27	Cariacus couesi ~~mexicanus~~	♂ juv.	Patagonia Mts, Mex. Bd. Line.					Not measured; skinned by Mexican bandits.
848	28	Onychomys melanophrys	♂ ad.	Santa Cruz River, at La Noria (Monument No. 111.)	140	45	13.5	20.5	
849	28	Sigmodon minimus	♂ ad.	do	240	98	—	28	Mamma, 14. Eaten in trap.
850	28	Sitomys texanus sonoriensis (bicolor)	♀ ad.	do	139	61	16	20	
851	28	Peromyscus texanus sonoriensis	♀ ad.	do	142	60	14	19	
852	28	" " "	♂ juv.	do	145	64	13.5	19.5	
853	28	" " "	♀ juv.	do	132	55	14.	20.5	
854	28	" " "	♀ juv.	do	133	55	13	19	
855	28	Sigmodon minimus	♂ juv.	do	195	88	13	26	Caught in trap in daytime.
856	29	Sitomys texanus sonoriensis	♂ ad.	do	162	72	15	21	
857	29	Procyon hernandezii	♂ ad.	do	895	365	51	121	Mamma, 92 mm.
858	30	Sitomys texanus sonoriensis (bicolor)	♂ juv.	do					Not measured.
859	Dec. 1	Peromyscus texanus sonoriensis	♂ ad.	do	178	94	16	21.5	
860	2	Lepus texianus eremicus	♀ ad.	do	595	102	157	133	
861	3	Sitomys texanus sonoriensis (bicolor)	♀ ad.	do	157	67	15	20	
862	3	Peromyscus texanus sonoriensis	♂ ad.	do	154	67	15.5	20	
863	3	" " "	♂ juv.	do	138	58	—	—	
864	3	" " "	♀ juv.	do					Not measured.
865	5	Onychomys melanophrys	♀ ad.	do	157	48	14	20	
866	5	Sitomys texanus sonoriensis (bicolor)	♂ ad.	do	169	76	14	21.5	Very old.
867	1893 May 28	Perognathus p. pricei	♂ ad.	Santa Cruz River, at monument No. 118, Mex. Bd. Line	121	61.5	6.5	20	Caught under an old cottonwood log.
868	29	Perognathus penicillatus pricei	♂ ad.		180	98	7.	23.5	
869	29	" "	♂ ad.	do	166	90	8	23	
870	29	Onychomys torridus torridus	♀ juv.	do					Not measured.
871	29	Peromyscus boylii pinalis ~~Sitomys sonoriensis~~	♂ juv.	do					
872	29	Spermophilus grammurus	♂ ad.	do	511	236	17	63	
873	30		♂	do	482	228	20	64	
874	30	Peromyscus arizonae ~~Sitomys sonoriensis~~	♂ juv.	do					Not measured.
875	June 5	Perognathus p. pricei	♂ ad.	do	176	97	6.	21.75	

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No.	Date 1893 June	Name	Sex and age	Locality	Length	Tail	Ear	Pes	Remarks
876	5	Onychomys t. torridus	♂ ad.	Santa Cruz River, at Mon't No. 118 Mex. Bound. Line	140	52.5	—	20	Manus, 12.5 mm.
877	5	Onychomys torridus torridus	♀ ad.	do	146	53.5	16.5	20.5	Mammae 2-2 = 4 prs.
878	5		♀ ad.	do	146	55	17.	21	
879	6	Perognathus "hispidus" paradoxus (very large)	♀ ad.	do	190	90.5	7.75	23.	Foetuses, 3-3 (do) = 6, size of grape. 'Weight 6 ℥'. Manus, 12.5; N. 7.0. 34.
880	15	Lepus texianus eremicus	♀ ad.	do	593	61	157	131	Foetuses 3, 1½ inches long, Mammae 3 prs.
881	July 25	Sciurus arizonensis huachuca	♀ ad.	Tanner's Canon, Huachuca Mts.	525	262	26	75	
882	25	Spermophilus grammurus	♀ ad.	do	443	206	21	60	
883	26	Peromyscus boylii pinalis ~~Sitomys [illegible]~~	♂ ad.	do	189.5	105.5	15	20.5	
884	26	Peromyscus boylii pinalis	♀ ad.	do	—	—	15	20	Head and body, 94; manus, 10.5 mm. Eaten by centipedes. Mammae, 2-2 = 4 prs.
885	28	Thomomys umbrinus cervinus	♀ ad.	do	202	69	—	27	Manus, 24 mm.
886	28		♀ ad.	do	200	66.5	—	28	" 23.5 mm.
887	29	Sciurus "arizonensis huachuca"	♂	do					Head and tail preserved.
888	30	Thomomys umbrinus cervinus	♀ ad.	do	202	71	—	24.5	Mammae, 2-2 = 4 prs. Manus, 23 mm. Foetuses, 1-2 = 3, size BB shot.
889	30	Perognathus h. paradoxus	♀ ad.	do	164	79	7	22	
890	30	Sitomys boylii pinalis	♂ ad.	do	189	103	17.75	20.5	
891	31	Spilogale gracilis?	♀ ad.	do	349	139	14.5	41	Manus, 36. Mammae, 3-3 = 6.
892	31	Spermophilus grammurus	♂	do	436	196	16.5	59	
893	Aug. 1	Perognathus h. paradoxus	♀ ad.	do	182	89	8.	24	Badly eaten by ants.
894	2	Sitomys boylii pinalis	♀ ad.	do	208	115	16.5	22	
895	2	Perognathus flavus	♂ ad.	do	112	53.5	3.75	16 (manus 5, very small.)	Changing coat; no hair on tail
896	2	Thomomys umbrinus cervinus	♀ ad.	do	231	76	4.	30.5	
897	3	Spermophilus grammurus	♀ ad.	do	489	211	17	62	Mammae, 4-4 = 8.
898	3	Neotoma intermedia albigula	♀ ad.	do	294	136	22	30.5	Mammae 2-2 = 4.
899	3	Sitomys boylii pinalis	♀ ad.	do	194	107	16.5	20	
900	3	Peromyscus " "	♂ ad.	do	192	104	15.5	20.5	
901	3	Perognathus h. paradoxus	♂ ad.	do	—	—	7.5	23.5	Head and body, 93; manus, 11. Eaten in trap.
902	3	Perognathus flavus	? juv.	do					Not measured. Eaten in trap by vinegaroon.
903	3	Perognathus hispidus paradoxus sp. nov.	♀ ad.	do	211	102	9	20	Large + heavy, but not so large as no. 879.
904	3	Thomomys u. cervinus	♀ ad	do	215	66	5	27.5	
905	3	" "	♂ ad	do	220	69	5	28.	
906	3	Sciurus arizonensis huachuca	♂ ad	do	520	266	22.5	75	
907	3	Spermophilus grammurus	♂ ad.	do	478	205	20.	62	
908	3	"	♀ juv.	do					Not measured.
909	4	Thomomys umbrinus "cervinus"	♂ ad	do	234	83.5	5	28.5	
910	4	Perognathus flavus sp. nov.	♂	do	109	49.5	4.5	15.5	
911	4	Perognathus flavus	♂ juv.	do					Not measured
912	"	Spilogale gracilis?	♂ ad	do	410	153	15	46	
913	5	Peromyscus boylii pinalis ~~Sitomys [illegible]~~	♂ ad	do			13	20	
	5	Peromyscus texanus sonoriensis	♂ ad.	do	150	65	14	20.5	

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No.	Date 1893 Aug.	Name	Sex and Age	Locality	Length	Tail	Ear	Pes.	Remarks
915	5	Peromyscus boylii pinalis ~~Sitomys [illegible]~~	♀ ad.	Tanner's Cañon, Huachuca Mts., Arizona. Above post garden	199	106	16	21.5	
916	5	Thomomys umbrinus cervinus	♀	Altitude	200	70	5	26.5	
917	8	Sciurus arizonensis huachuca.	♀ ad.	Tanner's Cañon Huachuca mountains at the Sawmill.	551	274	24	75	Mammae 4-4 = 8 prs.
918	10	Sciurus arizonensis huachuca	♀ ad.	do	540	263	22.5	75	Mammae 4-4 = 8 prs.
919	11	" " "	♀ juv.	do					
920	11	Spermophilus grammurus	♀	do					
921	11		♀ juv.	do					
922	11	Neotoma intermedia albigula ~~mexicana~~	♀ ad.	do	306	151	24.5	32	Mammae 2-2 = 4.
923	11	Peromyscus boylii pinalis ~~Sitomys [illegible]~~	♂ ad.	do	191	103	15.	21	
924	11	Peromyscus boylii pinalis	♂ ad.	do	189	100	17.	21.5	
925	11	" " "	♂ ad.	do	201	111	16.5	21.	
926	12	Spermophilus grammurus	♂	do	438	205	19.	59	Has a scent opening, which it uses like Spilogale.
927	12	"	♀ juv.	do					Not measured.
928	12	Neotoma intermedia albigula ~~mexicana~~	♀ ad.	do	302	149	26	33	Mammae 2-2 = 4.
929	12	Peromyscus ~~Sitomys~~ boylii pinalis.	♂ ad.	do	190	99	16	20.5	
930	12		♀ ad.	do	207	106	16	22	Eaten by ants.
931	12	Peromyscus boylii pinalis ~~Sitomys [illegible]~~	♀ ad.	do	190	101	17	21	
932	12	Peromyscus boylii pinalis	♂ ad.	do	198	102	16	22	
933	13	Neotoma intermedia albigula	♂ ad	do	325	147	26	32	
934	13	" " "	♂ ad.	do	325	155	25	33	
935	13	Peromyscus ~~Sitomys~~ boylii pinalis	♂ ad.	do	—	—	—	21.5	Eaten by ants; tail off. Head and body, 95; manus, 12.
936	13	Peromyscus boylii pinalis	♀	do	—	—	15.5	21.	Head and body, 89; manus, 10.
937	14	Sciurus arizonensis huachuca.	♂	do	506	254	22.	73	(Heavy rain sprung all traps.)
938	14	Sciurus arizonensis huachuca	♂	do	496	238	20	70	Used its scent-bag like a Spilogale when killed in the trap.
939	14	Spermophilus grammurus	♂ im.	do	Not measured.				
940	15	~~Vespertilio~~ Eptesicus fuscus	♂ ad.	do	108	—	14	—	alar expanse, 316; height of antitragus, 7.6; tail, 46.
941	15	Peromyscus ~~Sitomys~~ boylii pinalis	♂ ad	do	181	92	18	20	
942	15	" " "	♂ ad.	do	199	109	16.5	21	
943	15	" " "	♂ ad.	do	177	87	15.	21	
944	16	Neotoma intermedia albigula ~~mexicana~~	♀ ad.	do	329	159	23	33	
945	16	Neotoma intermedia albigula	♂	do	286	133	24	34	
946	16	Spermophilus grammurus	♂ ad.	do	494	216	18	63	Caught in cyclone mammal trap.
947	16	Peromyscus ~~Sitomys~~ boylii pinalis	♀ juv.	do					
948	16	Peromyscus boylii pinalis	♂ juv.	do					
949	16	" " "	♂ juv.	do					
950	17	" " "	♀ juv.	do					
951	17	" " "	♂ ad.	do	—	—	16	21	Head and body, 89; manus, 12.5 mm.
952	17	"	♂ ad.	do	203	113	18	21.5	
953	17	Neotoma intermedia albigula ~~mexicana~~	♂ juv.	do					Not measured.

Mammals collected by Mr. Frank X. Holzner.

No.	Date 1893 Aug.	Name	Sex and Age	Locality	Length	Tail	Ear	Pes	Remarks
954	17	Neotoma intermedia albigula	♂ ad.	Tanner's Cañon, at the Saw mill, alt. ft., Huachuca Mts., Cochise Co., Arizona.	336	161	22.5	33	
955	17	Spermophilus grammurus	♂ ad.	do	485	225	16.5	61	
956	21	Sitomys boylii pinalis	♂ ad.	do	195	108	17.	20.5	
957	21	Peromyscus boylii pinalis	♂ ad.	do	188	103	17.	21	Eaten by centipedes.
958	21	" " "	♂ juv.	do	—	—	—	—	Not measured.
959	21	" " "	♂ ad.	do	196	105	17	21.5	
960	21	" " "	♀ ad.	do	200	112	17	22	
961	21	" " "	♀ ad.	do	209	113	18.5	22	
962	21	" " "	♀	do	193	101	16.5	20.5	
963	21	" " "	♀ ad.	do	201	111	17.	20.	Mammae, 2-2=4; Foetuses, 1-1=2, one the size of BB shot and one as large as a grape. This mouse very heavy in flesh.
964	21	Spermophilus grammurus	♀ juv.	do					Caught in a large cyclone mammal trap.
965	22	Sitomys boylii pinalis	♀ ad.	do	190	105	16.5	21	
966	23	Peromyscus boylii pinalis	♂	do	180	100	14	20	
967	22	" " "	♀ ad.	do	193	101	15	21.5	
968	22	" " "	♀	do	190	104	13.5	21	inner ear black.
969	22	" " "	♂ ad.	do	200	102	17.5	21.5	Unusually large.
970	22	" " "	♂ ad.	do	—	—	—	—	Not measured; eaten by ants.
971	22	" " "	♂ juv.	do	—	—	—	—	[Heavy rain sprung all traps.]
972	24	Lepus holzneri	♂ ad.	do	420	64	79	100.5	
973	24	Neotoma intermedia albigula	♀ ad.	do	314	142	24.5	33	Nursing; mammae 2-2=4
974	24	" " "	♀ juv.	do	259	129	19	31	Mammae, 2-2=4. Very plain.
975	25	" " "	♂ juv.	do					
976	25	Lepus holzneri	♀ juv.	do					
977	25	Sitomys boylii pinalis	♂ juv.	do					
978	26	Peromyscus boylii pinalis	♂ ad.	do	188	111	16	21	
979	26	" " "	♂ ad.	do	—	—	15.5	20	Head and body, 99; manus, 11 mm.
980	26	" " "	♀ ad.	do	189	99	16.	20	
981	27	" " "	♂	do	186	97	16.	21	
982	27	" " "	♀	do	198	107	15.	20	
983	28	Lepus holzneri	♂ ad.	do	411	63	76	101	Manus, 45 mm.
984	28	Eptesicus fuscus ~~"Free-tailed Bat; very red."~~	♂ ad.	do	119	51	13	9.5	Alar expanse, 320; height of antitragus, 8 mm.
985	28	Neotoma intermedia albigula	♂ ad.	do	167	—	22	30	(measurement in first column probably of head & body.
986	28	Sitomys boylii pinalis	♂ ad.	do	80	—	17	21	do
987	28	Peromyscus boylii pinalis	♀ ad.	do	206	113	18	21	
988	29	Sciurus arizonensis huachuca	♂ ad.	do	512	250	22	72	The meat of this Rabbit is very tender & surpasses a Callipepla.
989	29	Lepus holzneri	♀ ad.	do	404	59	75	—	Manus, 39. Mammae, 3-3=6. Iris dark brown.
990	29	Eptesicus fuscus ~~Bat red~~	♂ ad.	do	111	55	13	9	Height of antitragus, 7. Alar expanse, 316 mm.
991	29	Eptesicus fuscus	♂ ad.	do	105	52	13	10	do 7
992	29	Sitomys boylii pinalis	♀ ad	do			16	21	Head and body, 92; Mammae, 2-2=4.

Mammals collected by Mr. Frank X. Holzner.

No.	Date 1893 Aug.	Name	Sex and Age	Locality	Length	Tail	Ear	Pes	Remarks
993	29	Sitomys boylii pinalis	♀ ad.	Tanners Cañon at the Saw mill, altitude feet, Huachuca Mts, Cochise Co., Ariz.	197	95	15	21	Mammae, 2-2 =4
994	30	Neotoma intermedia albigula	♂ ad.	do	307	143	23	32	Torn in steel-trap (no. 4).
995	30	Sitomys boylii pinalis	♀	do	192	107	17	20.5	
996	30	Peromyscus boylii pinalis	♂	do	—	—	—	—	Eaten by ants
997	30	" " "	♂	do	—	—	—	—	do
998	30	" " "	♀ juv.	do					These three were caught under an old log, and belong to one litter. The female parent was probably caught the day before.
999	30	" " "	♀ juv.	do					
1000	30	" " "	♂ juv.	do					
1001	Sept. 1	Neotoma mexicana bullata	♂	do	343	162	20	34	
1002	1	Neotoma intermedia albigula	♂ juv.	do	—	—	—	—	
1003	1	Sitomys boylii pinalis	♂	do	206	118	—	22	Eaten by ants.
1004	1	Peromyscus boylii pinalis	♀	do	—	—	15.5	21	Head and body, 94 mm.
1005	1	Lepus holzneri	♂ juv.	do	383	66	73	93	
1006	2	Spilogale gracilis	♀ ad.	do	359	134	16	42.5	Caught very near the top of the mountain. Mammae 3-3 = 6 Manus, 35.5; tip of nose to angle of mouth, 25.5.
1007	3	Sitomys boylii pinalis	♂ ad	do	202	110	17	22	Sides Indian red. Caught in day-time.
1008	4	Neotoma intermedia albigula	♂ juv.	do	—	—	—	—	
1009	5	Lepus ~~arizonae~~ holzneri	♀ ad.	do	445	76	82	95	Mammae 3-3=6. Nursing.
1010	5	" " "	♀ ad.	do	402	45?	79	96	Contained 4 foetuses, about to be born. Tail apparently broken.
1011	5	" " "	♂ juv.	do	—	—	—	—	
1012	5	Sitomys boylii pinalis	♀ ad.	do	198	104	16	21	Tail more slender and body much stouter than in any Sitomys from the top.
1013	6	Thomomys ~~[illegible]~~ fulvus intermedius sp. nov.	♂ ad.	do	200	66	4	26	Manus, 24. Back, blue-black.
1014	6	Lepus ~~arizonae~~ holzneri	♀ ad.	do	402	62	73	94	Paired. Mammae of ♀, 3-3 = 6; foetuses, 2-1 = 3, 5.5 mm in length.
1015	6	" " "	♂ ad.	do	400	61	74	98	
1016	6	Sitomys boylii pinalis	♀ ad.	do	—	—	15	22	Head and body, 94 mm.
1017	6	Peromyscus boylii pinalis	♂ ad.	do	—	—	16.5	21	Very red. Head and body, 95 mm.
1018	6	" " "	♂ juv.	do	~~M.~~	M.	—	—	
1019	6	" " "	♂ ad.	do	188	97	16	21	
1020	6	" " "	♂ ad.	do	200	107	17	20.5	
1021	7	" " "	♂ juv.	do	—				
1022	7	" " "	♂ ad.	do	200	106	—	20.5	Eaten by ants.
1023	9	" " "	♀ ad.	do	205	103	17	23	
1024	10	Neotoma intermedia albigula	♀ ad.	do	312	155	21	32	Foetuses 2-0 = 2, size of buck-shot.
1025	10	Sitomys boylii pinalis	♂ juv.	do	—	—	—	—	[Commence trapping in a spring mesa, near the top, looking into Ramsey cañon]
1026	12	Peromyscus boylii pinalis	♂ ad.	do	—	—	16	21.5	Head and body 97; manus, 10.5 mm.
1027	12	" " "	♀ ad.	do	207	105	16.5	21.5	
1028	13	" " "	♂ ad.	do	—	—	16.	21	Head and body, 97; manus, 10.5 mm.
1029	13	" " "	♀	do	190	105	14	21	Ears black and silky.
1030	14	" " "	♂ ad.	do	199	105	16	20.5	End of tail white.
1031	14	" " "	♀ ad.	do	192	102	16.5	20.5	

Mammals Collected by Mr. Frank X. Holzner

No	Date 1893 Sept.	Name.	Sex and Age	Locality.	Length	Tail	Ear	Pes	Remarks.
1032	14	Spermophilus grammurus	♀ juv.		—	—	—	—	
1033	14	Neotoma mexicana bullata	♀ ad.		334	169	20.5	32	
1034	15	" "	♀ ad.		322	164	20.	32	Mammae, 2–2=4.
1035	17	Thomomys fulvus inter= =medius.	♂ ad.		—	62	—	25.5	Manus, 23.5. Head badly smashed.
1036	18	Neotoma mexicana bullata	♂ ad.		351	176	20	33	
1037	19	" " "	♀ juv.		—	—	—	—	
1038	19	Mephitis estor	♂		—	—	13	67	Back pure white; white patch on shoulder. Tail mixed. Manus, 48; tip of nose to angle of mouth, 38mm.
1039	20	Spermophilus grammurus	♂ ad.		480	215	17	60	
1040	20	" "	♀ juv.		—	—	—	—	
1041	20	Lepus holzneri	♂ juv.		—	—	—	—	Killed on the very top.
1042	20	Neotoma mexicana bullata	♂ ad.		317	155	18	32	
1043	21	" " "	♀ ad.		334	169	20	33	
1044	22	Sitomys boylii pinalis	♂ ad.		199	104	15	22.5	[Removing my traps to a small cañon (8000) running south from the Springs, near the summit, looking into Ramsay Cañon.]
1045	22	Peromyscus boylii pinalis	♂ ad.		210	114	16	22	
1046	22	" " "	♂		191	102	15	21	
1047	22	" " "	♀ ad.		207	109	15	23	
1048	23	Neotoma mexicana bullata	♂ juv.		—	—	—	—	
1049	23	Sitomys boylii pinalis	♂ ad.		200	107	17	22	
1050	23	Peromyscus boylii pinalis	♂ ad.		202	106	16	22	
1051	23	Lepus ~~arizonae~~ holzneri	♂ juv.		370	65	75	95	Killed on the divide, near Ramsay Cañon.
1052	24	Sitomys boylii pinalis	♂ ad.		195	102	15	21	Very red and stout.
1053	25	Peromyscus boylii pinalis	♀ ad.		197	102	14	21	
1054	27	Spilogale gracilis	♂ ad.		371	139	11.5	47	Caught in my tent, under the flour sack, while I was (gone to the Post.)
1055	28	Sitomys boylii pinalis	♂ juv.		—	—	—	—	
1056	28	Peromyscus boylii pinalis	♂ ad.		194	101	15.5	21	Altitude 8500 feet.
1057	29	" " "	♀ ad.		213	109	16	21	Mammae 3–3=6.
1058	29	" " "	♀ ad.		206	113	17	22	
1059	29	" " "	♀ ad.		—	—	17	21	Head and body, 94mm.
1060	29	" " "	♀ juv.		—	—	—	—	
1061	29	" " "	♀ ad.		195	99	—	20.5	
1062	29	" " "	♂ ad.		213	115	15	22.	End of tail, white.
1063	Oct. 1	Mephitis estor	♂ juv.	Post Garden, Tanner's Cañon, Huachuca Mts., Arizona	615	290	16	66	
1064	3	Sitomys boylii pinalis	♂ ad	do	181	98	14	21.5	
1065	3	Peromyscus boylii pinalis	♂ juv.	do	—	—	—	—	
1066	3	Neotoma intermedia albigula	♀ juv.	do	317	142	22	34	
1067	4	Sciurus arizonensis huachuca	♂ ad.	do	466	202	24	76	
1068	4	Mus musculus.	♂	do	—	—	—	—	
		Thomomys umbrinus cervinus	♀ ad.	Post Garden, Tanner's Cañon, Huachuca Mts., Arizona.	206	90	4		
		" " "	♂	do	202	62	—	26.5	Manus, 24mm.

Mammals collected by Mr. Frank X. Holzner.

No.	Date 1893 Oct.	Name	Sex and age	Locality	Length	Tail	Ear	Pes	Remarks
1071	4	Sitomys boylii pinalis	♀ ad.	Fort Garden, Tanner's Cañon, Huachuca Mts, Cochise Co., Arizona	200	103	15.5	21.5	
1072	4	Peromyscus boylii pinalis	♀ ad.	do	182	98	13.	20	
1073	4	Peromyscus texanus sonoriensis	♂ ad.	do	163	62	14	21	
1074	4	Peromyscus boylii pinalis	♂ ad.	do	205	117	16	21.5	
1075	4	" " "	♂	do	180	99	15	21.	ear and back of neck pure white.
1076	4	Peromyscus texanus sonoriensis	♀ ad.	do	159	66	15	20.5	
1077	4	" " "	♂ juv.	do	—	—	—	—	
1078	5	Mus musculus	♀ juv.	do	—	—	—	—	
1079	5	Peromyscus texanus sonoriensis ~~Sitomys (silky ear)~~	♀ juv.	do	—	—	—	—	
1080	5	Peromyscus boylii pinalis ~~Sitomys eremicus~~	♀ ad.	do	201	102	17	21	
1081	5	Peromyscus boylii pinalis	♂ ad.	do	180	90	14	19	
1082	6	Peromyscus texanus sonoriensis	♀ juv.	do	—	—	—	—	
1083	6	Peromyscus boylii pinalis	♀ ad.	do	194	101	17	20	
1084	7	Peromyscus ~~Sitomys~~ " "	♂ ad.	do	197	107	15.5	20	Skull partly eaten by bugs.
1085	8	" " "	♀	do	197	109	14	20	
1086	8	Peromyscus texanus sonoriensis	♂	do	159	72	13	21	
1087	9	Peromyscus boylii pinalis	♂ ad.	do	188	106	16	22	In alcohol.
	Nov.								
1088	6	Perognathus p. pricei	♀	Fort Lowell, Pima Co., Arizona.	—	—	—	—	Eaten in trap.
1089	6	" " "	♂	do	161	88	7	23	
1090	6	" " "	♂	do	157	86.5	5.5	23	
1091	6	" " "	♀	do	173	94	6.5	23.5	
1092	6	" " "	♀	do	166	91	6.	23	
1093	7	" " "	♀	do	151	86	5.	22	
1094	8	" " "	♂ ad.	do	185	101	6.5	25	
1095	8	" " "	♀	do	173	92	6.	23	
1096	8	" " "	♀	do	166	88	6	22	
1097	8	Spilogale gracilis?	♂	do	382	132	14	44	
1098	8	Procyon hernandezii mexicana	♂ ad.	do	890	325	49	131	Tip of nose to angle of mouth, 66 mm.
1099	9	Perognathus p. pricei	♂	do	166	92	6.5	23	
1100	9	Thomomys u. cervinus	♀	do	207	70	—	27	Manus, 24 mm.
1101	9	Mus decumanus (albino)	♀	do	—	—	—	—	Given to me by Mr. W. Dunn, Jr.
1102	10	Lepus texianus eremicus	♂	do	565	93	160	125	E.A.M.
1103	10	Lepus arizonae major	♂	do	363	53	81	83	E.A.M.
1104	12	Perognathus p. pricei	♂	do	164	87	6	23	
1105	12	" " "	♂	do	184	103	7	24	
1106	12	Thomomys u. cervinus	♂ ad.	do	240	75	—	32	Manus, 28 mm.
1107	12	Perognathus p. pricei	♂	do	180	99	6.5	22	
1108	13	Procyon hernandezii mexicana	♀ ad.		820	305	51	125	Manus, 90. Mammae, 3-3 = 6.

Mammals collected by Mr. Frank X. Holzner.

No.	Date 1893 Nov.	Name	Sex and Age	Locality	Length	Tail	Ear	Pes	Remarks
1109	13	Mephitis estor ? milleri	♂ ad.	Fort Lowell, ~~Pima~~ County, Arizona.	790	435	18	73	
1110	13	Peromyscus eremicus anthonyi ~~[illegible]~~ (large ear)	♀	do	196	110	19	22	
					—	—	—	—	
1111	14	Lepus arizonae major	juv.	do					
1112	14	Thomomys u. cervinus	♀	do	210	71	—	30	Manus, 26 mm.
1113	14	Spilogale gracilis	♂	do	428	172	13.5	48	
					—	—	—	—	
1114	15	Lepus arizonae major	♂	do					
1115	15	Lepus texianus eremicus	♂ ad.	do	600	112	173	133	Very black on back.
					—	—	—	—	
1116	15	Perognathus p. pricei	♀	do					
1117	15	" " "	♀	do	164	90	6	22	
1118	15	" " "	♀	do	184	106	6	24	
1119	16	Spermophilus grammurus	♀ juv.	do					

Birds collected by Mr. Frank X. Holzner

No.	Date 1892 Nov.	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
1246	2	Otocoris	♂ ad	San Pedro River at monument No. 98, Mex. Bd. Line	175	324	108	76	12	22	19	
1247	2	Agelaius p. sonoriensis	♂ ad.	do	184	312	106	75	16	24	25	
1248	2	" " "	♂ ad.	do	262	418	142	102	20.5	35	32	
1249	2	" " "	♂ ad.	do	260	415	139	102	21.5	33	32	
1250	2	" " "	♂ ad.	do	240	386	132	98	23	30	33	
1251	2	" " "	♂ ad.	do	225	388	127	93	20.5	32	31	
1252	4	Salpinctes obsoletus	♂ ad.	Taranato Creek, 7 miles S. of Huachuca Mts., Sonora.	154	235	76	59	19.5	22	21	
1253	4	Helminthophila celata	♂ ad.	do	140	221	75	59	11	19.5	17.	
1254	4	Parus wollweberi	? ad.	do	131	210	70	63	9	20	14	
1255	6	Turdus	♂	Santa Cruz River at monument No. 111, M. B. L. (Near Lochiel P. O.)	157	270	90	73	12	21	17.5	
1256	6	"	♂	do	172	275	92	75	13	23.5	19	
1257	6	Zonotrichia intermedia	♂ ad.	do	166	245	80	77	11	24.5	22.5	
1258	6	Melospiza	♀ ad.	do	140	228	75	56	10	20.5	20.	Middle toe + claw of one foot.
1259	6	Cistothorus p. paludicola	♂ ad.	do								
1260	6	Sayornis saya	♂ ad.	do								
1261	6	Accipiter velox	♀ ad.	do								
1262	6	Otocoris	♂ ad.	do								
1263	7	Falco s. deserticolus	♀	do								
1264	7	" "	♀	do								
1265	7	Falco richardsonii	♀ ad.	do								
1266	7	Sialia mexicana	♂ ad.	do								
1267	7	Cistothorus p. paludicola	? ad.	do								
1268	7	" " "	♀ ad.	do								
1269	7	" " "	♂ ad.	do								
1270	7	Sayornis saya.	♂ ad.	do								
1271	8	Sturnella	♂ ad.	do								
1272	8	"	♀ ad.	do								
1273	8	Lanius l. excubitorides	♂ ad.	do								
1274	10	Sturnella	♂ ad.	do								
1275	10	Otocoris	♂ ad	do								
1276	10	Buteo	♂ ad.	do								
1277	10	Ægialitis vocifera	♀ ad.	do								
1278	11	?	♀ ?	do								
1279	11	?	♂ ?	do								

Notes on the region from the Eastern Base of the Coast Range Mountains and the Pacific Ocean.

List of Camps:

	1894
Lowest water at Eastern base of Coast Range.	May 7 – 9 ^
Mountain Spring	" 9 – 16.
Near summit of Divide, on Mountain Springs road.	" 16 – 17
Jacumba, San Diego Co., California	" 17 – 31
Nachoguero Valley, Lower California	~~June~~ 31 – June 7
Campo, San Diego Co., Calif.	June 7 – 8
J. M. Gray's Ranch, San Diego Co., Calif	June 8 – 9
Campbell's Ranch, Laguna, "	" 9 – 21
Thomas Cameron's Ranch "	" 21 – 23
Tecate River at Tecate Mountain, L. Cal.	" 23 – 27*
San Isidro Ranch, L. Calif.	" 27 – July 3
Jamol Creek at the old date palm-tree, Calif.	July 3 – 9
Mouth of Tia Juana River, at Pacific Ocean, Cal.	" 9 – 20
San Diego, California	" 20+ – Aug. 3
Alpine, San Diego Co., Calif. alt. 1950 ft.	Aug. 3 – 7
Pine Valley, " " 4300 ft.	" 7 –

* Holzner stayed at Tecate until June 28th.
\+ " left me at San Diego.

Notes of a Trip from Fort Myer, Virginia to Gettysburg, Pennsylvania and Returning. (June 25 to July 9, 1895.)

Itinerary:—

June	25	Left Fort Myer, Va., and marched miles to Norbeck, Md.
"	26	Marched to Damascus, Maryland.
"	27	" " Frederick, Maryland.
"	28	" " Thurmont,* Maryland.
"	29	" " Gettysburg, Pennsylvania.
"	30	Camped at Gettysburg, Pennsylvania.
July	1	" " " "
"	2	" " " "
"	3	" " " "
"	4	" " " "
"	5	Marched to Thurmont,* Maryland.
"	6	" " Frederick, "
"	7	" " Damascus, "
"	8	" " Norbeck, "
"	9	" " Fort Myer, Virginia.

Having received orders to accompany two Troops of the Sixth Cavalry, from Fort Myer, and a Light battery of Artillery from Washington Barracks, D.C. to Gettysburgh, Pennsylvania, in the capacity of medical officer in charge, I left Fort Myer on the morning of June 25th, reached Gettysburg June 29th, camped there 5 days and arrived back at Fort Myer July 9th.

I carried a plant press and a pocket shotgun with a barrel 15 inches long and a skeleton stock. But little effort was made to preserve specimens. We crossed the District of Columbia and the State of Maryland, traversing a thoroughly cultivated region, in which timber reserves in the form of strips and patches were pretty regularly ~~scattered~~ distributed. Most of the region was occupied by cultivated fields in which crops of wheat, Indian corn, potatoes, tobacco, etc. were growing.

*"Mechanicstown" recently changed to Thurmont.

All of the permanent streams, which are rather sparse, contain fishes. That at the Catoctin Furnace (near Thurmont) being the only one in which trout are found. At this point our road led us along the foot of the Blue Ridge Mountains; and our camp at Thurmont (old name Mechanicstown) was on a good-sized mountain stream, which we followed well up into the mountain. The region about Gettysburgh, in the southern edge of Pennsylvania is ~~also cultivated~~ generally similar and also quite thoroughly cultivated, though portions of the battlefield ~~and~~ are densely wooded, especially about the Round-tops.

Altogether the region is very homogeneous, and its fauna and flora is similar throughout, with the exception of the forested mountains near Thurmont, where the Chickaree (*Sciurus hudsonius*), the Hooded Warbler (*Sylvania mitrata*), and many species of plants occur which we did not see elsewhere.

Mammals.— We covered about 200 miles of country in going and coming back, without seeing but two species of mammals—the Chipmunk (*Tamias striatus*) and Gray Squirrel (*Sciurus* ________), whilst marching. At Gettysburg some cyclone traps were set one night, and a house mouse (*Mus musculus*) and Mole-Shrew (*Blarina talpoides*) were taken. We saw no other mammals*; but we were told that the Chickaree is common at Thurmont; and the Fox Squirrel sometimes occurs at Damascus, where Gray Squirrels are always common. One or two of the latter were seen at various places along the road. Chipmunks were often seen, frequently running on the Virginia rail fences. Deer were said to be extinct in the spur of the Blue Mountains visible from our route. A few Turkies still remain there.

*Bats, I should have stated, were frequently seen, and two or three species were (over) represented

No.	Date 1893 July	Name and Locality	Sex and Age	Length	Tail, vert.	Tail, hairs	Ear above crown	Ear above notch	Distance between eyes	Diameter eye
√2418	18	Ft. Huachuca A.T. Sciurus arizonensis ^huachuca	♂ ad.	512	240		23			
√2419	18	" "	♂ ad.	532	257		23			
√2420	18	" "	♀ ad.	530	240		24			
√2421	18	" "	♀ ad.	538	250		23			
√2422	19	Huachuca Mts., Tanner's Cañon " "	♂ ad.	508	240		23			
√2423	19	" "	♂ ad.	540	255		25			
√2424	19	" "	♂ ad.	Skull + tail preserved.						
√2425	[illegible]	Ft. Huachuca Peromyscus b. pinalis	♀ ad.	171	85	94	15.5	19	=	—
2426	26	Chincha milleri	♀ ad.	~~Skull~~ found near post.						
√2427	28	San Pedro River. Cynomys arizonensis	♀ ad.							
√2428	28	" "	♀ ad	367	78	103	5	—	35	8.5
√2429	28	" "	♀ ad	349	68	89	5	—	34	8.5
√2430	28	" "	♀ ad	360	88	114	5	—	33	8
√2431	28	Mammæ 4 pairs " "	♀ ad.	373	83	102	5	—	36	9
√2432	30	" "	♀ ad.	365	70	92	5	—	34	8.5
√2433	30	" "	♂ ad.	387	96	113	5	—	38	8
√2434	30	" "	♂ ad.	382	91	110	5	—	35	8.2
√2435	30	" "	♂ ad.	392	90	109	5	—	35	8.2
√2436	30	" "	♂ ad.	392	95	113	5	—	36	8
√2437	30	" "	♂ ad.	360	03 (tail abnormal)	78	5	—	35	[illegible]
√2438	31	Summit Huachuca Mts. Sciurus arizonensis huachuca	♀ ad.	575	255	320	21	34	36.5	[illegible]
√2439	Aug. 6	Mammae 5 pairs. S.J. Mtns. Spermophilus grammurus alt. 6000.	♀ ad	485	207	263	15	25	36	9
√2440	7	Neotoma int. albigula	♂ im.	280	127		22			
√2441	7	" " "	♀ ad	Tail broken head and body 185			22			
√2442	7	Summit; skull only; alt. Peromyscus "boylii" pinalis	♀ im.	270	117		15			
√2443	7	~~Sitomys crinitus~~ ^	♂ ad.	190	94		16			
√2444	7	Under monument at top Peromyscus boylii pinalis	♀ ad.	head + body 105			17			
√2445	6	alt. 6050. Iris hazel. Spilogale gracilis	♂ ad	420	140	265	15	27 (width 30)	20	7.5
√2446	8	Contained 2 foetuses 13 mm. diameter Neotoma inter. albigula	♀ ad	334	137	144	22	28	15	6.8
√2447	9	Mammae 3 prs. – 2 thoracic + 1 inguinal Conepatus mapurito	♀ ad.	530	205	278	12	24	27	6.
√2448	9	Neotoma int. ~~mexicana~~ albigula	♂ ad	335	138	145	23	29	15	6.8
√2449	9	Peromyscus boylii pinalis ~~Sitomys crinitus~~ ^	♂ ad.	198	102	110	17	20	10	5.
√2450	9	Peromyscus boylii pinalis	♂ ad.	198	102	111	16	19	10	5.
2451	~~7~~ 6	Cariacus ~~v. mexicanus~~ couesi	♂ ad.	One shed horn						
2452	~~[illegible]~~ 10	Odocoileus couesi	♂ im.	do						
√2453	~~[illegible]~~ 11		♂ im.	do						
√2454	10	Peromyscus "boylii" pinalis ~~Sitomys crinitus~~ ^	♀ ad	199	102	111	15	18.5	10	5
√2455	11	Lepus ~~arizonae~~ holzneri 5600	♀ ad.	Skull + skin of head						

No.	Longest whiskers	Tip of nose to angle of mouth	To eye	To centre of pupil	To ear	To tip of ear	To occiput	To end of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Length of manus	Longest claw of manus	Hind limb from knee joint	Length of pes	Longest claw of pes
2418	Topotypes of Sciurus arizonensis huachuca Allen (2418–2424)													70	
2419														71	
2420														72	
2421														73	
2422														77	
2423														72	
2424														75	
2425	47	—	14	16	25	43	29	135	=	24	11	1.5	41	21.	2.
2426															
2427															
2428	37	—	32	38	60	69	73	422	—	92	44	10.8	111	61	8.7
2429	42	—	30	36	61	66	72	410	—	90	43	9.5	113	58	8.3
2430	36	—	31	37	56	68	67	410	—	90	44	11	110	59	8.5
2431	40	—	32	39	62	71	73	428	—	90	44	10	118	63	8.3.
2432	46	-	32	38	61	70	70	420	-	92	45	12	109	63	10
2433	45	—	33	38	60	70	71	432	—	96	47	12	116	62	9
2434	47	-	30	38	60	70	72	440	-	96	45	12	115	64	9
2435	43	-	32	37	62	71	72	430	-	96	45	11	115	62	9
2436	45	-	30	37.5	61	70	70	432	-	98	47	13.5	114	62	9
2437	48	-	31	37	60	69	70	425	-	93	43	9	112	61	9
2438	61	-	30	36.5	56	82	70	430	-	96	47	9.7	128	71	10
2439	52	—	28	34	54	77	69	425	-	84	40	9.	104	60	8
2440							45	230						34	
2441							48	248	~~Ears extremely small.~~					34	
2442	Color exactly like No. 2440						~~31~~	~~151~~	Ears extremely small					33	
2443							31	151 ~~144~~						23	
2444							31	146						23	
2445	53	30	24	29	57	74	70	380	—	73	40	11	80	46	6.5
2446	50	—	25	29	41	72	52	268	—	49	18.5	3	68	35	3.6
2447	28	41	41	46	66	90	95	480	—	111	55	18.5	116	62	9.
2448	69	—	23	27	44	75	51	270	—	48	20	3.	67	33	3.6
2449	41	—	15	17.3	28	46	30	145	—	26	12.6	2.	43	22	2.1
2450	46	—	15	17.3	29	46	31	143	—	27	13	2	42	22	[illegible]
2451															
2452															
2453															
2454	44	—	15	17.5	28	46	31	147	—	26	12.6	2	43	22	2.1
2455															

No.	Date 1893 Aug.	Name and Locality — San Bernardino-Ranch	Sex and Age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Distance between eyes	Diameter eye	Longest whisker	Tip of nose to angle of mouth	To eye	To centre of pupil	To ear	To tip of ear	To occiput	To end of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
2457	21	Perognathus penicillatus priceii	♂ ad.	184	99	111	5	9.5	12	4	40	—	13.5	16.5	23	32	28	125	—	24	11	3.2	41	25	3.2
2456	19	Odocoileus couesi (~~Cariacus v. mexicanus~~)	♂ yearling	Summer coat						Not measured. Head, 2 feet, + tail preserved. (Skin of head labelled.)															
2458	22	Perognathus p. priceii	♂	Preserved in alcohol.								—													
2459	24	mammae 3 pairs (1 pectoral + 2 inguinal). has nursed young.	♀ ad.	181	98	112	5.5	9.5 (ant. base)	12	3.7	40	—	15	17	23	32	29	125	—	23.5	10.5	3.1	40	24	3.
2460	24	Mammae 3 pairs (1 pectoral + 2 inguinal). " has nursed young.	♀ ad. Contained six (6) foetuses the size of B shot, 3 on each side.	175	92	109	5.7	9.5	12	3.7	44	—	14.2	16.5	23	32	29	124	—	23	10.2	3	39	23	3.
2461	24	" " " (old.)	♂ ad.	182	98	115	6.5	10.3	12	3.7	45	—	15	17	23	33	30	126	—	24	10.5	3.2	41	24	3.2
2462	24	" " " (old.)	♂ ad	175	92	110	6.3	10.	12	3.7	42	—	15	17	22	32	29	124	—	23	10.2	3.	40	23	3.
2463	24	Dipodomys spectabilis	♂ juv.	330	192 ~~160~~	220	13					—							—					53.5	
2464	24	Perognathus penicillatus priceii	– ad	Head; body eaten in trap; skull preserved.																					
2465	25	Hall's Ranch, Guadalupe Cañon. Dipodomys merriami	♀ im.	Not measured.																					
2466	26	Sitomys eremicus anthonyi (small)	♂ ad.	175	91	95	16	18.5	~~19~~	4.2	41	—	12	14.3	24	42	27.5	125	—	23	11	1.8	38	20	2.
2467	26		♀ im.	175	94		15																	20	
2468	26	Odocoileus "couesi" (~~Cariacus v. mexicanus~~)	♀ ad.	Tail and three (~~four~~) feet preserved.						Killed by E. C. Steward, Merton, U.S.A. (2 fore + 1 hind foot.)															
2469	27	Vesperugo fuscus	♂ ad.	109	44	—	14	17		height of antitragus 7.5. Alar expanse 315; wing from carpal joint, 80															
2470	27	Shot by Stephen Barlow; one Cimex on it!	♂ ad	98	37	—	12	15		" " " 7 " " 290 " " " " 78															
2471	28	has nursed; mammae 5 pairs (mammal trap.) Spermophilus grammurus	♀ ad.	500	225	275	19	28	36	8	55	—	28	35	56	74	65	396	—	80	40	9	105	60	8.5
2472	29	Little Bat Vesperugo hesperus	♀	73	28	—	8.5	11		height of antitragus, 4; alar exp. 210; wing from carpal joint, 49 mm.															
2473	29	Lepus sylvaticus (~~arizonae~~) holzneri	♂ ad.	Very large. Skin of head + skull preserved. Shot with rifle. Not measured.																					
2474	29	Skull only preserved; shot with rifle. Spermophilus grammurus	♀ ad	mammae 5 pairs; old; head + neck freshly molted; hinder parts in faded, worn winter coat. 495	220	270	18	27	35	8	60	—	28	35	56	74	66	420	—	83	41	8.5	107	60	8.
2475	29	Skin + skull. Odocoileus couesi (~~Cariacus v. mexicanus~~)	♂ ad	Complete set of measurements on page small note-book, Copied on sheet																					
2476	29	Little Bat Vesperugo hesperus	♀ ad.	Preserved in alcohol.																					
2477	29	San Luis Springs, N.M.	♀ ad	do.																					
2478	31	Iris very dark brown. Sciurus apache	♀	575	280	370	25	35	36	9.	80	—	33	46	60	87	74	480	—	107	52 width 50	10	142	79 width 37	10
2479	31	fore claws: 26; 30; 30; 28; 23.5; hd. cls. 13; 10.8; 10; 13; 10.8 mm. Taxidea taxus berlandieri	♂ ad.	720	120	155	23	47	39	?	42	59	59	65	113 meatus	155	147	730	—	103	102	30	180	99	13
2480	31	Has nursed young; mam. 4 pairs; iris hazel. Cynomys arizonensis	♀ ad.	380	80	110	5	~~40~~	40	8.	40	—	31	38	61	69	73	420	—	94	46	12	108	60	10
2481	31	" " (shotgun)	♂ ad	390	85	109	5	—	37	8.	48	—	31	37	60	70	72	430	—	96	46	12	115	65	10
2482	31	" " (rifle)	♂ ad	400	89	118	5	—	37	8.5	50	—	32	38	60	72	75	440	—	96	48	14	114	64	10
2483	31	" "	♂ ad.	Skull only preserved						Tail of no. 2483 preserved, with skull.															
2484	31	" "	♀ ad.	do																					
2485	Sept. 1	" "	♂ ad.	do																					
2486	1		♀ juv.	do																					
~~2487~~	1	~~Skull smashed by bullet~~ (see p. 104.) ~~Taxidea~~ Ovis	♀ ad.	Flat skin from Tinajas						Mts., Arizona															
2488	1	Urocyon c. scottii	♂ juv.	No. 2488 was afterwards taken						by Mr. Wood, who shot it, to be mounted. Two were seen by him in an															
2489	1	" "	♂ juv.	oak-tree, barking at him.						One was shot; the other escaped into the hollow tree, where I shot it, later with a pistol. It growled like a dog when I pounded the tree with a hatchet.															
2490	1	Mephitis estor	♂ ad.	700	320	395	16	31	27	7.5	39 (longest whiskers 40)	39	43	69	103	98	550	(550)	—	about 105	55 width 47	15	142	73	11
2491	1	Skull smashed by bullet. Taxidea taxus berlandieri	♀ ad.	655	134	173	23	47	35		35	55	56	62	110	150	142	700	—	182	100	30	165	100	14
2492	2	Canis ~~latrans~~	? ad.	Skull found.																					
2493	3	Peromyscus texanus sonoriensis (gray) / Sitomys (bicolored tail)	♀ ad.	166	67		14.5			Contained 8 foetuses and had previously nursed young (; foetuses 6 – 2 = 8)														21	

No	Date 1893 Sept	Name / Locality: San Luis Mts, Mex. Bd. Line	Sex and age	Length	Tail vert.	Tail hairs	Ear, height above crown	Ear, height above notch	Distance between eyes	Diameter of eye	Longest vibrissae	From tip of nose to angle of mouth	To eye	To centre of pupil	To ear (or auditory meatus)	To tip of ear	To occiput	To end of outstretched hinder extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
✓2494	3	Cynomys arizonensis	♂ ad.	430	103	125	5.	—	37	.9	54	—	35	40	meatus ~~3~~67	76	75	470	—	103	48	13	116	66	9.
✓2495	3	" " Has nursed young; mammae 4 pairs	♀ ad.	387	84	113	5.	—	36	8.5	50	—	31.5	37	61	74	74	427	—	92	46	10	107	62	8.
✓2496	3	" "	♂	Skull only																					
✓2497	3	" "	♂ juv.	Half-grown. Skin & skull.																					
✓2498	3	Taxidea taxus berlandieri	♂ ad.	720	125	155	23	48	37		35	58	55	62	108	155	140	770	—	203	115	36	178	109	12
✓2499	4	Peromyscus texanus sonoriensis ~~Sitomys~~ (bicolored tail)	♂	160	66	~~17~~	14																	20.5	
✓2500	4	Peromyscus texanus sonoriensis	♀ juv.	143	63	13.5																		20.	
✓2501	5	Sciurus apache Allen.	♂ ad.	560	285	365	25	32	39	10.	80.	—	32	38.5	58	86	75	460	—	105	53	10.	145	79	11.
✓2502	5	Spermophilus grammurus	♀ juv.	365	173	Young not half-grown. Shot in Quercus grisea tree.																			
✓2503	5	Cynomys arizonensis (Tail perfect but very short)	♂ ad.	370	80	110	5.	—	37	8.5	50	—	32	38	62	73	73	415	—	88	40	11	102	58	7.5
✓2504	5	Antrozous pallidus	♂ ad.	105	42	—	25	30	9	2.6	antitragus	13.5	alar expanse 338; wing 81.												
✓2505	5	Lepus arizonae	♀ ad.	Contained 4 young ones (good-sized foetuses). Skull only preserved. Caught on the prairie near corral.																					
✓2506	5	Cynomys arizonensis	♂ ad.	Skull only.																					
✓2507	5	" "	♀ ad.	Skull only.																					
✓2508	5	" "	♀ ad.	Skull only																					
2509	5	" "	♂ ad.	Very large; not measured. Saved for mounting with all the bones necessary.																					
✓2510	7	Mephitis estor	♀ ad.	540	280	—	21	Young half-grown. Sat in Quercus hypleuca eating an acorn.																75	
✓2511	7	Sciurus apache	♀ juv.	655	315	415	22	28	44	—	—	38	33	37	63	86	82	515	—	103	51	16	113	65	8.5
✓2512	7	Lepus arizonae	♂ ad.	Skull only																					
✓2513	7	Odocoileus couesi ~~Cariacus mexicanus~~ Cajon Bonita Creek, Chihuahua	♀ ad.	Skull and skin of head. Shot by Mr. Wood																					
✓2514	8	Odocoileus couesi	♂ ad.	Measurements on page. Shot by Hosp. Steward E. C. Merton, U.S.A. Tail, 1 fore, + 1 hind foot.																					
✓2487		Ovis montana		Sent by Lieut. Gaillard. See his letter for data																					
✓2515	July 1893	"Mus alexandrinus" from Nogales	ad.	See Holzner for data																					
✓2516	Sept 13	Lepus texianus griseus. White Water, Chihuahua, Mex.	♀ ad.	615	105	145	176	137	45	17	100	—	58	68	94	270	109	825	—	190	68	7	260	134	9.5
✓2517	15	Lepus ~~callotis~~ gaillardi. Playas Valley, E. C. Merton	♀ juv. (~~♀ ad.~~)	510	88	12[illegible]	133	108	43	13	80	—	48	56	81	220	89	720	—	173	70	10	230	127	12
2518	14	Ovis montana. Dog Mountains No. 36332 U.S.N.M. Dog Springs, Grant Co., N.M.	♂ ad.	One horn found at Dog Mountains & presented by Private Edward Gorris 24 Infty, U.S.A. Nearest monument No. 55.																					
✓2519	16	Lepus texianus	♂ ad.	560	102	140	142	120	43	15	90	—	48	57	85	235	96	750	—	180	67	7.5	240	127	10.
✓2520	16	Perodipus ordii	♂ ad.	240	127	153	10.5	15	22	6.	40	—	24	27.5	37	50	40	185	—	32	13	5.	69	37	4.
2521	17	" " Contained two (2) foetuses	♀ ad.	235	126	155	10.5	15	22	6.	55	—	24	27.3	36	50	41	181	—	31	13	5.	67	36	4
✓2522	17	Neotoma ~~mexicana~~ albigula. Mammae 2 prs; inguinal. Contained 3 large foetuses.	♀ ad.	333	147	155	24	29	14	7.8	73	—	24	28	42	71	51	256	—	46	18.5	2.	6.8	32.5	3.
2523	17	Dipodomys spectabilis	♀ ad.	349	204	228	13	21	26	8	80	—	30	33.5	45	63	51	250	—	40	17	5.2	99	53	6
✓2524	17	Perodipus ordii. Contained four (4) large foetuses.	♀ ad.	236	132	162	11.5	16	11	7	58	—	22.5	27	37	50	41	185	—	32	14	5	70	38	4
2525	17	Peromyscus texanus texanus ~~Onychomys Sitomys~~ (Bicolored tail)	♂ ad.	152	64	68	13.7	18	8.8	4.6	39	—	14	16.5	15.5	42	29	134	—	26	11	1.8	43	21	2
2526	17	Onychomys torridus. Bones.	♀ juv.	145	52	No. 58982 U.S.N.M. In alcohol.																			
2527	17	Spermophilus spilosoma	♂ ad.	Skull only preserved.																					
✓2528	17	Perognathus flavus (very small of species)	♂ ad.	109	51	53	4.7	7.7	10	3.2	27	—	12	13.3	19	26.5	24	92	—	17.5	7.	2	30	17	1.8
✓2529	18	Onychomys torridus (gray)	♀ juv.	137	52.																				

No.	Date 1893 Sept	Name and Locality. Dog Springs (Monument 55)	Sex and Age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Distance between eyes	Diameter of eye	Longest whisker	From tip of nose to angle of mouth	To eye	To centre of pupil	To ear	To tip of ear	To occiput	To end of outstretched hind extremity	Bare portion of tail	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
√2530	18	Peradipus ordii	♂ ad.	245	135	163	10.5	15	20.5	6.	60	—	23.5	27	36.5	49	41	189	—	30	12.5	4.	69	38	3.8
√2531	18	" "	♂ ad.	239	128	155	11	15	21	6	60	—	24.5	28	37.5	50	42.5	186	—	30	12.5	4.	70	38.5	3.7
2532	18	Hoary Bat } Copulating; Caught on the ground by Steward E. C. Merton	♂ ad.	132	407 alar exp.	105 wing	55 tail	8 ear cr.	15 ear notch	vert. eyes, 11.		14	9.5				21.5	127	—						
√2533	18	Lasiurus cinereus	♀ ad.	148	437 alar exp.	106 wing	62 tail	8.5 ear crown	16 ear notch	vert. eyes 11.4		14	9.5				22.5	135	—						
√2534	19	Contained five (5) very small foetuses. Peradipus ordii	♀ ad.							[illegible]		—							—						
√2535	19	Contained 3 large foetuses	♀ ad.	253	135	165	10.	15	23	6	50	—	23	26	36.5	49	42.	191	—	31.5	14.	5.	68	37.2	4.1
√2536	19	Contained 3 large foetuses. " "	♀ ad.	243	129	158	10.	15	21.5	6	52	—	25	28	38	50	42.5	192	—	31.	13	3.8	70	37	3.3
√2537	19	" "	♂ ad.							[illegible]		—							—						
√2538	19	" " ♀ juv.	♀ juv.	217	117							—							—						
√2539	19	" " ♀ juv.	♀ juv.	183	97							—							—						
√2540	19	Contained 3 large foetuses. Dipodomys merriami	♀ ad.	232	135	160	10.5	15	20	6.	53	—	23	25.5	34	48	39	178	—	29	13	4.	68	38	4.
√2541	19	Contained 2 small foetuses. Neotoma intermedia albigula	♀ ad.	336	147	155	23	29	15.5	7.5	65	—	22.5	27	43	76	53	265	—	47	20.5	2.3	66	33.5	4.
√2542	19	Spermophilus spilosoma. Preserved in alcohol.	♀ juv.	203	73					6	60	—	24	27.5	38	50	41.5	190	—	31	13	4	73	39	4.2
√2543	20	Peradipus ordii	♂ ad.	253	140	170	11	16	22																
√2544	21	" "	♂ ad.	232	125	153	10.5	15	21	6.	65	—	23	26	37	49	41	188	—	31	13	4	68	38	4
√2545	21	Contained five (5) large foetuses. Sitomys eremicus anthonyi	♀ ad.	184	89		14																	21	
2546	22	Peromyscus eremicus anthonyi	♀ ad.	202	107		14.5			Same species as No. 2545.							Preserved in alcohol.							21	
2547	22	Peradipus ordii	♀ ad.	228	125	155	10	15	22	6.	57	—	23	26	37	49	42	180	—	30	12.5	4	68	37	4.
√2548	22	Dipodomys spectabilis	♂ ad.	355	203	253	15	20	28	8.5	78	—	28	33	45	63	50	262	—	40	16	4.2	100	54	6.2
√2549	22	Perognathus intermedius	♂	148	80	87	4	7	10.5	3.	30	—	13	15	20.5	28	25.5	107	—	20	8.5	2.7	36	21	2.
√2550	23	Dipodomys spectabilis	♂ ad.	335	190	233	14	19	27	8.5	75	—	30	35	46	64	52	265	—	42	17	5.2	105	56	6.
√2551	23	Neotoma ~~mexicana~~ intermedia albigula	♂ juv.	Recently born; eyes still						closed.															
√2552	23	Tayassu angulatum sonoriense ~~Dicotyles torquatus~~	ad	Skull and parts of skeleton.						Monument No. 64, eastern base of San Luis Mts.															
2553	23	Lynx baileyi?	ad.	Skull picked up in the						middle of Playas Valley, Mex. Bd. Line															
√2554	25	Langis Rancho, Animas Valley. Canis ~~latrans~~	♀ ad.	1020	345	430	111	110	41	14	88	100	95	106	170	300	200	1020	—	310	135	16	325	185	14
√2555	25	Sciurus apache Allen. Mammæ 4 pairs.	♂ ad.	545 (breadth of tail expanded)	265	370	22	33 (160)	34	9	65	—	32	35	58	85	75	462	—	104	52	10	140	78	10
2556	29	" " "	♀ ad.	625	102	134	267	143	54	17	93	—	58	68	95	275	112	315	—	180	69	8	260	139	12
√2557	29	Lepus texianus. Iris light yellowish brown	♂ ad.	545 (~~Iris dark hazel~~)	480	355	22	33	36	10	75	—	32	39	55	88	73 (corrected)	453	—	103	52	10	140	75	10
2558	29	Felis ~~concolor~~ oregonensis azteeus	ad.?	Skull. Found freshly skinned						(probably by an Indian) in San Luis Pass, Sept. 24, 1893.															
√2559	29	Spermophilus grammurus	♀ juv.	Half-grown young.						Cheek-pouches filled with fruitage of a species of mallow.															
√2560	30		♀ im.	Two-thirds grown. Skull						smashed so that it could not be preserved.															
√2561	Winter 1893	Huachuca Mts., Arizona. Odocoileus couesi. Cariacus ~~mexicanus~~	♂ ad	Pair of adult horns,						presented by Major T. E. Wilcox															
2562	Oct. 1	San Luis Spring (Monument No. 66). Perognathus (same as No. 2528) flavus.	ad.	Dessicated in trap. Saved						for skeleton							~~30~~						~~40~~	~~21~~	
√2563	"	San Luis Spring. Peromyscus texanus ~~Sitomys~~ (bicolored tail) sonoriensis	♂ ad.	166	70	75	13.7										30						40	21	
√2564	Oct. 2	Cynomys arizonensis	♂ ad.	395	83	110	5	13	40	8	38	—	30	36	60	70	72	440	—	96	49	14	111	64	11
√2565	"	" "	♂ ad.	400	80	108	5	13	37	8	45	—	30	36	60	72	71	450	—	97	45	12	115	64	9
2566	"	" " Skull only.	♀ ad.	378	79	109	5	13	34	8	32	—	29	36	57	68	69	420	—	93	44	12.5	103	61 (~~66~~)	10.

No	Date 1893	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Bet. eyes	Diameter eye	Whiskers	Nose to eye	Centripetal	Ear	Tip of ear	occiput	[illegible]	nose to angle of mouth	nose to front teeth	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
	Oct.	Santa Cruz V. Monument 111.																							
2567	20	~~Sitomys~~ Peromyscus texanus sonoriensis (bicolored tail)	♀ ad.	174.	70		14,5.			Contained 6 large foetuses.														21.	
2568	20	Peromyscus texanus sonoriensis	♀ ad.	173	74		16.			Contained 7 small foetuses.														21	
2569	20	" do "	♂ ad.	161	65		14																	21	
2570	20	" do "	♀	160	61		14																	19,5.	
2571	20	" do "	♂	168	71		13																	21	
2572	20	Peromyscus arizonae.	♂ juv.	158	63.		13.																	21.	
		Cienega. Head of Barbacomori Creek.																							
2573	19	Peromyscus ~~texanus~~ sonoriensis	♀ ad.	Head + body		104.	15	Pes. 20.	Mammae	$\frac{1-2}{1-2}$ = 6 (3 pairs). Tail broken.															
		Town of Santa Cruz, Sonora.																							
2574	21	~~Sitomys sonoriensis~~ Peromyscus arizonae	♂ ad.	165	71	75	13	16	11	4.	38	15	17.2	26	42	30	139			27	13	2.	42.5	23.	2,5
2575	21	Peromyscus arizonae	♂ ad.	182	83.	87	14,6	17	11	4	40	15	17,4.	28	46	30,7.	150			27	12,7	1,9.	45.	24.	2,2.
		5 foetuses (4-1) small.																							
2576	21	" "	♀ ad.	193	85	89	15.	18	10,5.	4.	43.	15,3.	18,5.	29	45,5.	31,7.	152			27.	13	2,3.	45.	22,7.	2,5
2577	21	" "	♂ im.	163	69		14.			Uterus enlarged					Testicles enlarged.									23.	
2578	21	Peromyscus texanus sonoriensis	♀ juv.																						
2579	21	Peromyscus arizonae	♀ juv. foetus.																						
		Grand's Ranch, Miller's Cañon, Huachuca																							
2580	17	Neotoma intermedia albigula	♂	302	136		23.5																	33	
2581	17	Fort Huachuca, "Arizona"	♀				24																	32	
2582	16	~~Sciurus arizonensis~~ huachuca	♂ im.																						
		Town of Santa Cruz, Mexico																							
2583	22	Neotoma intermedia albigula	♀ ad.	330	155	162	22.5	26.5	14	6.7	75	23	27	43	72	49	26[illegible]			46	20	2.5	66	34	[illegible]
2584	22	Mus musculus.	♀ ad.	180	85	88	12	15	7.5	2.9	25	11	13	23	38	25	132			21	10.5	1.9	35	18.5	2.4
2585	22	~~Sitomys sonoriensis~~ Peromyscus arizonae	♂ ad.	189	86	90	14	17	10.5	4.2	42	14.7	17	26	43	30.5	149			28	13	2.	45	23.	2.3.
		Contained 4 small foetuses; bones of legs saved for mounting; skin prime.																							
2586	22	Peromyscus arizonae.	♀ ad.	188	83	88	14	17	10.4	4.7	43	15.5	18	28	46.5	31.5	154			28.5	12.8	2	44	22.5	2.2
2587	22	" "	♀ ad.	189	84	88	15	18	10.6	4.6	43	15.2	18	28	48	32.5	155			28.5	13	2.	43	22	2.1
2588	22	" "	♀ im.	169	75		13																	22.5	
2589	22	" "	♀ juv.	~~162~~	70		13																	22.	
2590	22	" "	♂ juv.																						
2591	22	" "	♂ juv.																						
2592	22	" "	♂ juv.																						
2593	22	Lepus texianus eremicus	♂ ad.	Skull, only, preserved.																					
2594	22	~~Sitomys sonoriensis~~ Peromyscus arizonae	♂ ad.	169	74	78	13	16.5	10	.4	35	14.7	16.2	2[illegible]	42	29	138			26	12.2	1.8	41	21	2.1
2595	22	" "	♂ ad.	173	80	85	13.5	17	10.2	4.8	42	15	18	27	46	32	145			27.5	14	2	45	22.3	2.[illegible]
2596	22	" "	♂ ad.	172	75	80	13.5	18	10.3	4.1	45	15	17.2	27	46	31	142			25	12.5	1.9	42	21.5	[illegible]
2597	22	" "	♀ ad.	182	79	83	15	18	11	4.2	40	15	17.6	27	46	32	148			28	13	2	45	22.8	2.[illegible]
2598	22	" "	♂ im.																						
2599	22	Peromyscus texanus sonoriensis	♂ juv.																						
2600	22	Peromyscus arizonae.	♀ juv.																						
2601	22	Neotoma intermedia albigula	♂ [illegible]	Iris very dark brown 350	161	168	22	2[illegible]	[illegible]		70	25	29	42	74	53	265			46	20	2.4	67	34	4
2602	22	~~Mephitis estor~~ Conepatus (Leuconotus) mearnsi	♂ ad.	675	335	500	17	29	26	7.5	36	[illegible]	39	64	92	82	471			103	49	15	140	65	7
2603	22	[illegible]	♀ ad.	594	260	329	[illegible]	23.5	[illegible]	7.	38	43	46.5	30	90	97	504	46	29	114	5[illegible]	19	13[illegible]	[illegible]	[illegible]
2604	23	~~Sitomys~~ Peromyscus arizonae.	♀ [illegible]	172	72		14			[Cont]ained 7 small foetuses:														22	

No.	Date 1893 Oct	Name and Locality — Town of Santa Cruz, Sonora		Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Bet. eyes	Diameter eye	Whiskers	Nose to eye	Nose to centre of pupil	ear	Tip of ear	occiput	End hind limb			Fore limb for olecranon	Manus	Claw	Hind limb from knee	Pes	Claw
2605	23	~~Sitomys~~ Peromyscus arizonae	♂ juv.	Skin & skull																					
2606	23	Peromyscus texanus sonoriensis	♀ juv.	Skin & skull. Contained 7 large							foetuses.														
2607	23	Peromyscus arizonae	♀	163	68		14	Skin & skull.																22.8	
2608	23	Peromyscus texanus sonoriensis	♂ juv.	Skin & skull.																					
2609	23	" " "	♂ juv.	Preserved in alcohol							No.	61529 U.S.N.M.													
2610	23	" " "	♂ im.				do				"	61530. do													
2611	23	Peromyscus arizonae	♂	174	77		13.7	Skin & skull																23.	
2612	23	" "	♂ juv.	Skin & skull.																					
2613	23	Peromyscus texanus sonoriensis	♀ juv.	Preserved in alcohol							No.	61531, U.S.N.M.													
2614	23	Mus musculus	♂ im.	155	74		11.3	Skin & skull.																18	
2615	23	" "	♂ ad.	170	80		11.5	Skin & skull.			Very yellowish. Caught in the house of the alcalde.													18.5	
2616	24	Crossing of the Santa Cruz, near Monument No. 118. ~~Sitomys sonoriensis~~ Peromyscus arizonae	♀ im.	144	63		13										Peromyscus arizonae Allen.							21.5	
2617	24	Peromyscus arizonae	♂ im.	164	74		14.																	22.5	
2618	24	" "	♀ im.	166	78		14																	23	
2619	24		♀ im.	157	67		11.5																	22.	
2620	23	Town of Santa Cruz, Sonora. Spermophilus grammurus	♀ ad.	500	230	285	14	26	33	9	45	30	36	57	82	70	415	88	~~44~~	85	40 (claw 9)	116	#	61	8
2621	23	Buena Vista, Sonora. Lepus texianus eremicus	♀ ad.	615	111	150	178	150	43	15	95	58	67	95	287	101	825			189	77	10	263	137	10
2622	26	Nogales, Arizona (old + red.) ~~Sitomys eremicus~~ much smaller; testicles much enlarged	♂ ad.	205	107	116	16	20	10.5	4	45	15	18	27	47	30	143			27	14	1.87	41	21	2.
2623	26	Peromyscus boylii pinalis	♂	175	88	97	15										Peromyscus boylii pinalis.							20	
2624	26	" " Have nursed mammae, $\frac{1-2}{1-2}=\frac{3}{3}=6$	♀	Three large foetuses 180	88	~~15~~	15																	21	
2625	26	" "	♀	193	97		15.5																	21.5	
2626	27	Perodipus chapmani (end of tail white)	♂ ad.	245	143	163	8.6	12.5	20		60	22	25.5	36	47	40	184			32	13.3	5	70	39	4.5
2627	27	Neotoma intermedia albigula	♀ ad.	Head + body,			173;	ear			crown, 24	; pes, 33 mm.					Tail broken.								
2628	28	Perodipus chapmani	♀ ad.	220	115	140	10.4	14.2	21		63	22	26	35	48	40	180			32	13.5	5.3	66	37	5.
2629	28	Spermophilus grammurus	♂ ad.	500	208		19																	62	
2630	28	Mission Tumacacori near Tubac, Santa Cruz River, Arizona " "	♂ ad.	496	223		18	Camp near			Tumacacori Mission, south of Tubac, Arizona.													64	
2631	29	Perognathus penicillatus pricei	♂ ad.	187	97		6																	22.5	
2632	29	" " "	♀ ad.	Partially eaten skin.																					
2633	29	" " "	[illegible] ad.	186	100		6																	24	
2634	29	{Peromyscus arizonae / ~~Sitomys sonoriensis~~}	[illegible]	172	78		12																	21.5	
2635	29	" arizonae ~~sonoriensis~~	[illegible]	162	72		13																	22.3	
2636	29	" eremicus anthonyi ~~eremicus~~	♀ juv.	175	90		19																	20	
2637	29	" arizonae ~~sonoriensis~~	[illegible]	200	93		13				Peromyscus arizonae (Allen) and													22	
2638	29	" eremicus anthonyi ~~eremicus~~	♂ ad.	192	97		15				Peromyscus eremicus anthonyi (Merriam).													21	
2639	29	" arizonae ~~sonoriensis~~	♀ ad.	190	85		15																	22	
2640	29	" eremicus anthonyi ~~eremicus~~	♀ ad.	206	106		15.5																	22.3	
2641		" eremicus anthonyi ~~eremicus~~	♂ ad.	204	104		18																	21.7	
	30	Perognathus p. pricei ~~Canis latrans~~	♀ [illegible]	165	86																				

No.	Date 1893 Oct.	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Notch	Bet. eyes	Diameter of eye	Nose to eye	Centre (?)	ear	tip of ear	occiput	end of hind limb	Wrists (?)		Fore limb from olecranon	Manus	Claw			
2643	29	Mission, Arizona. Lepus alleni 20 miles south of Tucson, Arizona	♀ ad.	660	96 / 86	132 / 120	203	165	50	16,5	70 / ~~124~~	81	101	330	128	890	124		220	74.	9.	280	135	12.
2644	30	Perognathus penicillatus pricei	♂ ad.	183	99	115	5,2																23,2	
2645	30	" Mammae 1-2 = 3 pair "	♀ ad.	183	95	113	6,3																22	
2646	30	Peromyscus arizonae. Sitomys ~~sonoriensis~~	♀ ad.	200	93		14								31,5								22.	
2647	30	"	♀ juv.	150	63																		~~[illegible]~~	
2648	Nov. 1	Tucson, Arizona. "	♂ ad.	177	80		13,7			Peromyscus arizonae Allen.													22,5	
2649	1	" "	♂ ad.	160	71		12,1																21,8	
2650	1	" "	♂ ad.?	167	75		12																21,5	
2651	1	" "	♂ juv.	116	50.																		21,5	
2652	1	Mus musculus.	♀ ad.	180	86		11,3																18,5.	
2653	9		♂ juv.	Presented by Mr Herbert Brown						and preserved in alcohol.														
2654	10	"Ft. Lowell", Arizona. Lepus texianus eremicus	♂	565	93		160																125	
2655	10	Lepus arizonae major	♂	363	63		81																83	
2656	13	Tucson, Arizona. Mus musculus	♂ juv.	Preserved in alcohol.																				
2657	13	Chincha (Leuconitra) ~~Mephitis ... ~~ milleri	♂ ad.	Skull and tail preserved.						This was a very small skink with very long tail. Found dead.														
2658	20	Ft. Lowell. Sitomys (eremicus group) anthonyi	♂ ad.	193	107		17.5																21	
2659	21	Tucson, Arizona. Thomomys umbrinus cervinus	♀ ad.	221	66.5															25			29	
2660	21	Mus musculus	juv.	Preserved in alcohol.																				
2661	?	Canis mexicanus ~~occidentalis~~	ad.	Skull and part of skin from						Santa Rita Mts., Ariz. Presented by Mr Herbert Brown.														
2662	18	Santa Catalina Mts. A.T. Cariacus couesi ~~[illegible]~~	♂ ad.	Skin of head + skull.																				
2663	?	Sciurus arizonensis.		Skin + skull from East						side of Santa Catalina Mts., Ariz. Presented by Herbert Brown.														
2664	29	Warsaw, Arizona. Spermophilus grammurus	♂ im.	463	220		19																64	
2665	29	" "	♀							Shot and skinned by Steward Merton.														
2666	29	" "	♂																					
2667	30	Spermophilus grammurus.	♂ im.	478	235		18,5																62	
2668	Dec. 1.	Peromyscus boylii pinalis. Sitomys americanus (Mammae 3-3=6.	♀ ad.	201	102	112	14	17,5	23	4	15	17.6	26	46	30	144	38		26	13	2	42	20,5	2,75
2669	3		♂ juv.																					
2670	10.	Stung's Ranch, Pima Co. Ariz. Vesper tilio. Vesperugo hesperus	♂	68	30,5		10	into tragus	4	Alar ext. 200.														
2671	11	Perognathus penicillatus pricei	♂ ad.	184	102		6,5																24,5.	
2672	11	Lepus alleni	♀	615	96	135	202	163	50	16	61	72	100	315	114	885	115		227	78	9	295	143	11
2673	12	" "	♂	635	99	123	205	166	55	17	60	75	115	323	127	870	100		225	71	11.	290	134	11
2674	12.	" "	♀	590	91	121	185	165	50	16	55	65	98	310	112	825	93		204	68	9	275	115	11
2675	13	Onychomys torridus torridus	♀ ad.	139	56	—	13	18,5	12.	3,5	14	15,5	25	42	29	133	32		27	13	4	40	21	4
2676	13	Perodipus chapmani	♂	211	120	131	10	12	22	5	20	22,5	33	45	37	165	55		30	11	4,5	62	37	[illegible]
2677	13	Dipodomys spectabilis	♂ ad.	316	184	210	11	13											36	15	5	94	49	6
2678	13	" "	♂ im.	310	184	206	11	12,5	25	6	25	28	42	47	46	218	64		36	13	5	90	48	5
2679	14	" "	♀	337	204 ~~207~~	227	12,5	17	28	6	26	30,5	45	37	51	236	55		32,5	14	5,5	86	49	7
[illegible]	14	Perognathus penicillatus pricei	♀	156	91		5																22	

No.	Date December 1893	Name La Osa, Pima Co., Arizona.	Sex & age	length	Tail vert.	end of hairs	ear from crown	ear notch	dist. betw. eyes	Nose: tip of nose to eye	to eyes	to center of pupil	to ear	to tip of ear	to occiput	Width	... of hind leg	fore limb from ...	... minus	...	hind limb from ...	...	...
2681	14	Thomomys umbrinus cervinus	♂ ad	238	79	–	5	6.5	19	3.5	20	22	36	44	43	29	218	45	27	11	53	30	5
2682	14	" " "	♀	198	71	–	4	6	16	4	18	21	33	41	43	23	184	49	24	9.5	55	28	5.5
2683	14.	Onychomys torridus torridus	♂ ad	136	52	53	15	17.5	12	4	13	15.5	21	43	28	32	131	26	11.5	2.5	37	24	2.5
2684	14	Lepus ~~texianus~~ * eremicus	♀ ad	130	122	158	165	140	48	17	54	66	98	280	114	95	793	187	72	11	265	136	12
2685	15	Dipodomys spectabilis	♂ ad	328	195	221	12	16	31	7	28	32	44	61	50	69	239	37	12	5	101	49	5
2686	15	Perodipus chapmani	♂ ad	249	143	166	10.5	14	22	5	23	26	36	49	41	56	185	31	13	4	71	37	4
2687	15	Perodipus chapmani	♀ ad	244	137	159	9	13	22	4.5	22	25	35	50	41	54	182	29	11	5	65	37	4
2688	15	Thomomys umbrinus cervinus	♂	213	74	–	5	6	18	4	19	21	33	43	43	26	203	–	28	11	57	29	6
2689	16	Lepus arizonae major	♀ im	358	51		93																
2690	16.	Canis ~~latrans~~	♀ im	1010	370		170			Skull not preserved sent to pieces.											312		
2691	16	~~Mephitis~~ Conepatus mapurito	♂ ad.	Skull, without mandible;						found weathered. ~~50~~	~~9~~	~~67~~	~~73~~	~~105~~	~~308~~	~~45~~	~~101~~						
2692	17	Lepus alleni	♀ ad	631	86	115	180	155	50	9	67	73	105	308	115	101	875	204	72	9.5	295	173	11.
2693	18	Neotoma intermedia albigula	♂ im ~~ad~~	320	144		24															36.	
2694	18	Lepus arizonae	♀ im	340	60		80															81.	
2695	18	Dipodomys ~~[illegible]~~ merriami	♀ ad	273	168	182	12															38.	
2696	18	" "	♂ ad																				
2697	19	" "	♂ juv																				
2698	19	" "	♂ juv																				
2699	19	Perodipus chapmani	♂ ad.	242	132		11															37	
2700	19	" "	♂ im.	227	128																		
2701	19	Dipodomys spectabilis	♂ ad.	325	193		11.5															49	
2702	19	Neotoma ~~mexicana~~ intermedia albigula	♀ ad.	336	155		23															56	
2703	19	Neotoma intermedia albigula	♀ ad.	328	152		23															36	
2704	19	Vulpes macrotis	♀ ad.	Sent me by Joe Wheeler, who skinned it.																		~~21.7~~	
2705	19	Sitomys eremicus anthonyi	♀ im	176	92		16															21.7	
2706	20	Peromyscus eremicus anthonyi	♀ ad.	181	93		15															21.	
2707	20	" " "	♂ ad.	188	102	~~16~~	16,5															21.	
2708	20	Neotoma ~~mexicana~~ intermedia albigula	♀	295	142		22															33,5	
2709	20	Perodipus chapmani	♂ ad	head + body, 109;		10	10															37	
2710	20	" "	♂ ad	242	137	161	10															38	
2711	20	Dipodomys merriami	♀ ad.	254	147	170	11,3															36	
2712	21	Perodipus chapmani	♀ ad	243	140		10															39	
2713	21	Dipodomys merriami	♀	245	152		10.5															36	
2714	21	Sitomys ~~sonoriensis~~ eremicus anthonyi	♀ ad	head to body 89			15,5															20,5	
2715	21	Peromyscus eremicus anthonyi	♂ ad	199	109		17															21,5	
2716	21	" " "	♂ ad	179	95		15															21	
2717	21	" " "	♂ juv																				
2718.	21	" " "	♀ juv																				

No.	Date December 1893	Name	Sex & age	Length	Tail vert.	Tail and hair	Ear crown	Ear above notch	Dist. betw. eyes	Diam. of eye	to eye	to [illegible]	to [illegible]	to base of ear	to occiput	Width	Length of hind limb	from hind down knee joint	Manus	Nails	hind limb from knee joint	Pes	Ear	[illegible]
2719	21	Sitomys eremicus anthonyi	♂ ad.	187	106		16															20		
2720	21.	Spermophilus grammurus.	♂ ad.	474	199		21,5															62.		
2721	22.	Dipodomys spectabilis	♀	340	197		13															50	50	
2722	22	Sitomys eremicus anthonyi	♀	183	92		14.5															20	20	
2723	22	Peromyscus eremicus anthonyi	♀ juv.	165	90		15															21	21	
2724	22	Lepus alleni	♀ ad.	630	88	118	188	162	48	16,5	62	70	100	305	116	100	870	215 ~~870~~	92	9	285	135	9.	
2725	23	Perodipus chapmani	♀ im. ~~ad.~~																					
2726	24	" "	♂ juv.																					
2727	24	Dipodomys merriami	♂ ad.	253	147	168	13															38		
2728	24	Lepus alleni	♀ ad.	625 ~~253~~	97 ~~147~~	118 ~~168~~	204 ~~143~~	171	54	17	66	75	107	330	120	100	—	220	76	9		36 ~~38~~	16,5	
2729	24	Onychomys torridus torridus	♀ ad.	150	54		13								29							22		
2730	24	Perodipus chapmani	♀	225	124	145	10.5															36		
2731	24	" "	♀	228	123	147	10															36		
2732	24	Thomomys t. umbrinus cervinus	♂ ad.	222	75		manus 26															30		
2733	24	" " " "	♀	207	72		manus 23															26,5		
2734	25	" " " "	♀	198	67		manus 25															26,5.		
2735	25	" " " "	♀	220	72		manus 26															28		
2736	25	Dipodomys spectabilis	♂ ad.		{ in Alcol.																			
2737	25	Perodipus chapmani	♂ ad.		In alcohol																			
2738	25	Perodipus chapmani	♀ ad.		In alcohol.																			
2739	26	Thomomys t. umbrinus cervinus	♀ ad.	218	74	Manus	25,5															27,5.		
2740	26	Lepus alleni	♂ ad.	640	89	120	195		60	18,5	69	80	109	325	23	105	885	325 ~~885~~	80	10	290	140	12	
2741	26	Thomomys t. umbrinus cervinus	♂ ad.	217	54	Manus	24,5												24.5			25,5		
2742	26	La Osa Thomomys umbrinus cervinus	♂ ad.	204	55														26.			28.5		
2743	26	" " "	♀ ad.	205	60														26.5			28		
2744	27	Dipodomys spectabilis	♀ ad.	316	184		11.5															48		
2745	27	Spermophilus grammurus (testicles very large.)	♂ im.	593	218		17															62		
2746	28	La Osa Tamias harrisi	♂ ad.	223	85		5															39		
2747	28	Poso Verde Tamias harrisi	♀ ad.	232	90		6															39		
2748	28	Lobata at Wood's camp. Monument No. ~~Cariacus~~ Odocoileus ~~mexicanus~~ couesi	♂ ad.	Horns and Tail, only,					preserved.															
2749	28	Lepus alleni	♀	Skin of head and skull					preserved.															
2750	30	Yaqui Lewis's. Poso de Luis, Sonora, Mex. " "	♂ ad.	645	84	121	89	150	52	17	69	79	110	320	132	102	870	225	76	8	305	142	12	
2751	30	Sitomys eremicus anthonyi	♂ im.	175	96		13.2															20		
2752	1894 Jan. 1	Peromyscus eremicus anthonyi	♀ ad.	191	108		15															20.7		
2753	1	" Progeny of No. 2752 " "	♂ juv.	176	96		16															20		
2754	1	Neotoma intermedia albigula (Has nursed young.)	♀ ad.	318	150		24															32		
2755	2	~~Cariacus~~ Odocoileus ~~mexicanus~~ couesi	♀ ad.	Measurements on page					Skin of head, skull, one fore and one hind foot, and Tail preserved.															
2756	3	Sitomys eremicus anthonyi	♀ ad.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2757	3	Neotoma intermedia albigula ~~[illegible]~~	♂ ad.	3[illegible]8	157	[illegible]	23	30	105	75	23,5	28	35	75	54	12	550	47	9,5	3	73	34	[illegible]	

No.	Date Jan. 1894	Name & Locality	Sex & age	Length	Tail vert.	Tail with hairs	Ear from crown	Ear from notch	Between eyes	Diameter of eye	Whiskers	Eye	Nose to center of pupil	to ear	to tip of ear	[illegible]	Width of hand	Fore limb from [illegible]	Manus	Claws manus	Hind limb from knee	Pes	Claws pes
2758	3.	Lepus arizonae	♂ ad.	357	57	77	87	72	36.	12.	95	37	44	68	135	71.	490	100.	45	7	62	[illegible]	9
2759	4	Neotoma int. albigula	♂ ad.	head &	body	176.	22															33	
2760	4	Neotoma intermedia albigula	♂	321	153		22															32	
2761	4	Sitomys eremicus anthonyi	♂ ad.	183	99		15															20	
2762	4	" Litter of No. "2756.	♀ juv.																				
2763	4	Dipodomys merriami?	♀ juv.																				
2764	4	Dipodomys merriami	♀ ad.	245	144		10															37	
2765	5	" "	♀	219	127		9															36	
2766.	5	" "	♀	221	129		9,5															36,5	
2767	5	Tamias harrisii	♂ ad.	239	90		6															40	
2768	5	Lepus texianus eremicus	♀ ad.	610	125	165	161	158	48	16	100	60	67	96	287	110	785	180	69	8	238	124	10,3.
2769	5	Odocoileus couesi / Cariacus mexicanus	♂ ad.	Piece of skull with horns; worn by weathering																			
2770	5	Odocoileus couesi	♂ ad.	One shed horn; weatherworn																			
2771	5	" "	♂	Two	"	"			"														
2772	5	" "	♂	One	"	"			"														
2773	5	" "	♂ juv.	"	"		"																
2774	5	"	♂ ad.	"	"		"																
		Sonoyta, Sonora, Mex.																					
2775	10	Sitomys merriami	♂ ad.	tail broken. Head and	body,	47	16,5															22	
2776	10	" "	♀ ad.	211	114	~~16,5~~	16,5	Contained 2 large foetuses on one side, none on the other.														22.	
2777	12	Perognathus p. angustirostris	♂	158	84		5															22	
2778	13	~~Sitomys~~ Peromyscus merriami	♀ juv.	197	103		17															22	
2779	15	Sitomys eremicus eremicus	♀ ad.	205	114		16,5	(4 young ones in alcohol No. 9. ; nest also preserved } Presented by Señor Servin														22	
2780-2783	15	" " "	4 Young of No. 2779, preserved in alcohol																				
2784	16	[illegible] ~~[illegible]~~	♂ ad.	1070	~~1230~~ 310	390	105	110	42	16	55 98,	100	109	173	300	215	1230	315	132	~~345~~ 19	~~96~~ 345	190	17
2785	17	Lepus arizonae	♀ ad.	367	58	79	88 with 60	75	35	12	72	38	49	69	157	75	500	105	43	6	163	86	0,5
2786	17	Dipodomys merriami	♀	247	146	167	10	15	20,5		55	23	26	34	49	39	178	30	13	5	70	38.5	[illegible]
2787	17	Neotoma intermedia albigula	♀ ad.	312 has [illegible] young	153		24															33	
2788	17	Lepus alleni	♂ ad.	620	86	115	203	173	56	17	95	65	77	105	330	120	865	220	75	9,5	267	135	9
2789	17	" "	♀ ad.	Skull & head preserved; eaten by Harris's hawk																			
2790	17	Lepus arizonae	♂ ad.	367	65		90															83	
2791	18	Dipodomys merriami	♀ ad.	233	141	162	11	From one burrow.														37,5	
2792	18	"	♀ juv.	208	118	~~[illegible]~~	10,5															36	
2793	19	"	♂ ad.	255	150	180	11									40						38.7	
2794	19	Lepus arizonae	♀ ad.	330	55		85															82	
2795	20	" mammae contain milk "	♀ ad.	357	56		85															86	
2796	20	Dipodomys	♂ ad.	230	133	150	10															37,5	
2797	20	Dipodomys	♀ ad.	226	131	150	10															36,5	
2798	20	[illegible] angustirostris penicillatus	♂ [illegible]	head & body 81		~~[illegible]~~	4,7															24,5	
2799	20	Perognathus p. angustirostris	♂ ad.	186	96	116	5,7															21	

No.	Date Jan 1894	Name and Locality. Sonoyta, Sonora	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch
2800	20	Neotoma intermedia albigula	♀ ad.	303	140	~~21~~	21	
2801	20	" " "	♂ ad.	321	149		24	
2802	20	~~Sitomys~~ Peromyscus merriami	♂ ad.	218	118		19	
2803	20	Peromyscus eremicus eremicus	♂ ad.	195	109		14	
2804	20	" " "	♀ im.	184	98		15	
2805	20	Peromyscus merriami	♂ juv.					
2806	20	Peromyscus eremicus eremicus	♂	200	111		14	
2807	21	Peromyscus merriami	♀ im.	197	102		17,3	
2808	21	" "	♀ im.	193	102		16	
2809	21	Peromyscus eremicus eremicus	♂ juv.	184	96		14	
2810	21	" " "	♂ juv.	176	98		14,5	
2811	21	" " "	♀ ad.	196	106		16,5	
2812	21	" " "	♂ juv.	quite young. Taken in a				
2813	21	Dipodomys	♂ ad.	231	133	152	11,3	
2814	21	Neotoma intermedia albigula	♂ ad.	330	156	163	23,5	20
2815	21	~~Sitomys~~ Peromyscus merriami	♀ ad.	217	113		20	
2816	22	Peromyscus merriami	♂ im.	194	104		17	
2817	22	Peromyscus eremicus eremicus	♀ juv.	quite young. Same litter as				
2818	22	Canis	ad	Skull found in Papago				
2819	22	~~Cariacus macrotis~~ Odocoileus hemionus eremicus	♂ ad.	Horns found hung up in				
2820	22	Lynx r. baileyi		Found dead and				
2821	22	Lepus arizonae	♂ ad.	355	64		87	
2822	22	Dipodomys	♂ ad.	254	152	173	11	
2823	23	Perognathus p. angustirostris		182	103	122	5	
2824	23	~~Sitomys~~ Peromyscus merriami.	♂	208	111		19	
2825	23	Peromyscus eremicus eremicus	♂	[illegible]			14	
2826	23	Lepus arizonae	♂ ad.	340	62		8[illegible]	
Quitobaquito, Pima Co. Arizona, almost on the boundary line.								
2827	25	Lepus arizonae	♀ ad.	365	60		90	
2828	25	Spermophilus tereticaudus (Preserved in alcohol. Metal tag No. 16.)	♂ ad.	253 (~~365~~)	100	121	3.	—
2829	25	Dipodomys merriami sim (Preserved in alcohol. Tag No. 17.)	♂ ad.	251	154		10.3	
2830	25	"	♀ im.	218	125		9.5	
2831	25	Small Bat Vespertilio hesperus	♂ ad.	72	31		9	alar expanse 200
2832	25	Spermophilus tereticaudus	♂ ad.	229	80		3.	
2833	26	Dipodomys	♂ ad.	249	149	173	10	
2834	26	"	♂ ad.	253	150	173	11	
2835	26	"	♀ ad.	267	162	187	10,5	

No.	B.F. eyes	Diameter eye	Whiskers	Eye	Ante pupil	Ear	Lip of ear	Occiput	End of hind limb	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
2800														34	
2801														33	
2802								30,5						22,7	
2803														22	
2804														21,6	
2805															
2806														20,3	
2807														22,4	
2808														22	
2809														20,0	
2810														20	
2811														19	
2812	Papago hut, along with nos. 2806, 2810, 2811.														
2813														37	
2814	15	7,5	75 (iris very dark brown.)	23	27	41	73	57	250	46	22	2,6	62	31,5	3[illegible]
2815	Type of Peromyscus merriami Mearns.													[illegible]	
2816														22.8	
2817	No. 2812.														
2818	Indian Village.														
2819	a cholla cactus beside a Papago Indian's hut.														
2820	Desiccated in the Mexican town of Sonoyta. [illegible]														
2821														84	
2822														38	
2823														24	
2824														23	
2825														21	
2826														81	
2827														86	
2828	25.5 (Iris very dark brown. Claws: purplish black tipped with horn-color. Preserved in alcohol.)	6.7	30	16	21.5	32	37	41.5	238	50	24.5	7	63	3[illegible]	6
2829														38	
2830											~~[illegible]~~			35	
2831											50				
2832	Inside of skin purplish blue when perfectly fresh.										22.5			31	
2833														38	
2834														38,2	
2835														38	

No.	Date Jan 1894	Name	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Bet. eyes	Diameter of eye	Longest whisker	[illegible] of nose [illegible]	To center of [illegible]	To ear	Ht. of ear	Occiput	End of hind limb	Fore limb from [illegible]	Manus	Claw	Hind limb [illegible] knee	[illegible]	
	Quitobaquito																						
2836	26	Dipodomys merriami	♂ juv.	225	132		10															36	
2837	26	Tamias harrisi	♀ ad.	239	94		6															34	
2838	26	Spermophilus tereticaudus	♂ ad.	248	86		3															37	
2839	27	Dipodomys merriami	♂ ad.	262	165	194	11				5.5											39	
2840	27	" "	♂ ad.	head & body 98			11															39	
2841	27	" "	♂ ad.	243	146		10															37	
2842	27	" "	♂ ad.	248	142	167	10,3															37	
2843	27	" "	♀ ad.	237	135	158	10															36,5	
2844	27	" "	♀ juv.	230	135	154	9.7															36	
2845	28	" "	♂ ad.	255	149	176	12															37	
2846	28	" "	♂ ad.	240	137	162	10															37	
2847	28	Perognathus p. angustirostris	♂ ad.	180	101	116	5															21	
2848	28	Sitomys eremicus (eremicus)	♂ ad.	191	103	1	16,5															20	
2849	28	Peromyscus eremicus eremicus (has nursed young.)	♀	185	104		15,3	[illegible]		2-1=3 [illegible]												19	
2850	29	Spermophilus tereticaudus	♂	240	87		3															37	
2851	29	Dipodomys	♂ ad.	250	147	177	10															37.5	
2852	29	"	♀ juv.	~~248~~	~~145~~	~~175~~	~~10~~															~~38.5~~	
2853	29	"	♂ ad.	248	143	175	10															38.5	
2854	29	Tamias harrisi	♂ ad.	Not	measured.																		
2855	30	Perognathus angustirostris	♂ ad.	172	96	[illegible]	7															23	
2856	30	" " (eremicus) "	♀	Extra	in	trap	Skull	broken															
2857	30	Sitomys eremicus (eremicus)	♂	183	97	10	16.															19,5	
2858	30	Peromyscus e. eremicus	♂	189	107		17															21,5	
2859	30	" " "	♂	190	96		14															21	
2860	30	" " "	♂	208	123		14															20	
2861	30	" " "	♀	190	105		15			1 large foetuses almost ready to be born -												20,8	
2862	30	" " "	♂	188	103		14															21	
2863	30	" " "	♀	199	110		15															2[illegible]	
2864	30	" " "	♂	199	108		13															21,5	
2865	30	" " "	♂	192	108		16															21	
2866	30	" eremicus (eremicus)	♀ juv.																				
2867	30	Dipodomys merriami	♂ im.																				
2868	31	Peromyscus merriami	♀ ad.	head & body 95			17			2-1=3 foetuses 18mm. long.												22	
2869	31	Peromyscus eremicus eremicus	♂ im.	188	104		15,5															20	
2870	31	Dipodomys deserti	♂ ad.	head & body 142			15		[illegible]	dark brown						51						56	
2871	31	" "	♀ ad.	316	187	218	14	17,5	25	7 do	75	26	30	40	59	48	234	39	12	5,2	94	52	5
2872	31	Dipodomys merriami	♀ im.																				
2873	31	" "	♀ im.																				
2874	31	Spermophilus tereticaudus	♂ ad.	260	99		3															38	

No	Date 1894 Jan	Name and Locality Quitovaquito, Pima Co. Arizona	Sex and Age	Length	Tail vert.	Tail hair	Ear, crown	Ear, notch	Between eyes	Diameter eye	Longest whisker	Nose to eye	centre pupil	Ear	Tip of ear	Occiput	End of hinder extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
2875	31	Tamias harrisi	♂ ad.	head & body		147	4															39	
2876	31	" "	♀ ad.	230	86	113	4	12	24	7	34	18	23	34,5	46	43	240	49	25	6,8	70	40	6
(In alcohol) 2877	Febr. 1	Dipodomys deserti deserti	♂ ad.	362	221	260	15															56	
2878	1	Dipodomys merriami	♂ ad.	230	134		14,5															37	
2879	1	" "	♂ ad.	238	141		10,3		broken leg.			Metal tag No. 20.										38	
2880	1	Sitomys ~~eremicus~~ eremicus	♀ ad.	195	108		17															20	
2881	1	Perognathus penicillatus	♂ ad.	170	89		5,2															23,5	
2882	1	" "	♂ ad.	175	97	164	6															24	
2883	1	" " ?	♀ ad.	178	100	117	6															23,5	
2884	1	Dipodomys merriami	♂ ad.		h. m.																		
2885	1	" "	♀ ad.	240	142	163	9,5															37,5	
2886	2	" "	♂																				
2887	2	" "	♂																				
2888	2	" "	♀																				
2889	2	Dipodomys deserti deserti	♀ ad.	352	208	245	15	21	26	7	71	27,5	31,5	47	63	51	250	39	15	5	100	53	5
2890	2	Perognathus p. angustirostris	♀	Tail broken			nose [illegible]		off														
2891	2	Sitomys eremicus eremicus	♂ juv.																				
2892	3	Peromyscus eremicus eremicus	♂	198	111		15															20	
2893	3	" " "	♀ ad.	190	103	±	16		Four (4) foetuses ○.													20,7	
		mammae 3 pairs, 1 thoracic and 2 inguinal, all containing milk.																					
2894	3	Dipodomys deserti deserti	♀ ad.	331	193	227	14	18	28	7,5	70	26	30	41	60	48	242	40	17	5,3	96	54	5
2895	3	" " "	♂	337	195	254	15.5															54	
2896	3	Dipodomys merriami?	♂ ad.	250	147	170	11,2															38	
2897	3	" "	♀	230	144	167	10															38	
2898	3	" "	♂ im.	235	134	155	10,8															36,5	
2899	3	" "	♂					—															
2900	3	" "	♀																				
2901	3	" "	♂ ad.	250	151	173	10															38.	
2902	3	Perognathus pen. angustirostris	♂	163	90	103	5,1															23,2	
2903	3	" " "	♂	169	92	108	5,2															23,3	
2904	3	Thomomys umbrinus perpallidus	♀	203	66	#	4		19	3,5	30	19 angle of mouth 62				39	198	48	25	9/7	50/57	28/50	4,3
2905	3	Urocyon v. scottii	♂ ad.	965	415	497	78	80	34	14	85	57	60	118	199	140	850	190	91	11,3	206	133	13
2906	4	Dipodomys merriami ?	♀	244	140	162	11															36	
2907	4	" "	♀																				
2908	4	" "	♂	254	158	177	11															38	
2909	4	Peromyscus ~~Sitomys~~ eremicus eremicus	♂ ad.	204	116		17															20	
2910	4	" " "	♂ ad.	205	115		10,5															21	
2911	4	Iris dark brown. Perognathus (large) angustirostris	♂	192	115	122	6.	10.5	11	4	40	15	17.6	24	33.5	30	136	24	12.5	3.3	43	25	3.1
2912	4	" "	♂	162	87		5,0															22,5	

No.	Date February 1894	Name & Locality Quito Baquita Pima Co. Ariz.	Sex & age	Length	Tail vertebra	Tail to end of hair	Ear above crown	Ear from notch	Between eyes	Diameter of eye	Longest whiskers	Nose to eye	Nose to center of pupil	Nose to ear	Nose to tip of ear	Nose to occiput	[illegible]	[illegible]	Claw of [illegible]	[illegible]	Hind leg from knee	Hind foot	[illegible]	[illegible]
2913.	4	Dipodomys merriami	♂ ad.	250	150	181	11.2															37.7	~~37.7~~	
2914	4	" "	♂ ad.	250	150	180	12															38.5	~~38.5~~	
2915	5	Dipodomys deserti deserti	♀	345	205	236	14															55		
2916	5	" "	♂ ad.	370	234	263	15															55		
2917	5	Dipodomys merriami	♂	246	141	168	10.5															37		
2918	5	" "	♀																					
2919	5.	" "	♂	262	150		10															38	38	
2920.	5	Lepus arizonae	♀	in alcohol				metal tag No. 30																
2921	5	Dipodomys merriami	♀																					
2922	5	" "	♀																					
2923	5	" "	♀																					
2924	5	" "	♀																					
2925	5	Canis ~~latrans~~	♂ ad.	~~measurement of one~~				~~canis latrans not [illegible] ♀ ad.~~ Not measured.																
2926	5		♀ ad.	~~1100~~	~~330~~		~~105~~	Not measured.															~~[illegible]~~	
2927	1894	Odocoileus hemionus eremicus ~~Cariacus macrotis~~	♂ ad.	One horn				picked up in a Papago camp.																
2928	5	Vulpes macrotis	♂ ad.	790	300	370	90	84	29	14.5	85	53	62	111	198	133	770	185	87	13	217	121	12	61
2929	6	Thomomys perpallidus	♀ ad.	222	74	78	4		18			21		40		47	212	52	29	9.2	57	32.5	4.8	
2930	6	Sitomys eremicus eremicus	♀	187	104		15															19.9		
2931	6	Dipodomys merriami	♂ ad.	250	148	172	11.															37.5		
2932	6	" "	♂ ad.	252	145	170	10.4															38		
2933	6	" "	♂ ad.	238	139	162	10.															37.5		
2934	6	" "	♀ ad.	220	127	147	10															36.5		
2935	6	Tamias harrisi } mates	♂ ad.	246	92	120	5	125	23	7	50	18	22	35	44	46	254	57	24.5	5.8	73	42	5.8	
2936	6	" "	♀ ad.	225	83		4.5															41		
2937	7	Procyon hernandezii mexicana ~~Gray~~	♂ juv.	750	310		47										760		90			115		
29.38	7.	Sitomys eremicus (small sp.) eremicus	♂ juv.				5															23		
2939	7	Perognathus penicillatus angustirostris. Mammae 3 pairs 2 inguinal & 1 thoracic; in milk.	♀	167	95	110	(10.5)															~~27.5~~		
2940	7	Dipodomys merriami	♀ ad.	250	145	170	10.5															37.5		
2941	7	" "	♀ ad.	Preserved in				alcohol. Metal tag, No. 32.																
2942	7	" "	♀ juv.	"	"			" " " 31.																
2943	7	Canis ~~latrans~~	♀ ad.	1100	330		105															180		
2944	7	"	♂ ad.	Head and				skull preserved. Would probably weigh 35 lbs. The largest I have seen.																
2945	8	Agua Dulce, Sonoyta River, Sonora. Lepus texianus eremicus	♂ ad.	555	97		168	Skull and skin of head and tail preserved.														120		
2946	11	Tule Wells, Arizona. Dipodomys merriami?	♀ ad.	256	153		11															38		
2947	11	"	♀ ad.	248	150	177	11															37.5		
2948	11	Neotoma intermedia venusta	♀ ad	320	155		24.5															32.5		
2949	11	Tamias harrisii saxicola	♀	220	85	140																37.5		
2950	12	Dipodomys merriami simiolus	♂ ad.	Tail defective				Not measured.																

No.	Date 1894 Febr.	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Remarks	Pes
		Tule Wells, Yuma Co., Ariz.								
2951	12	Sitomys eremicus eremicus	♂ ad.	191	103		15			19.8
2952	12	Peromyscus eremicus eremicus	♂ ad.	191	105		15			20.2
2953	12	Tamias harrisii saxicola	♂ ad.	Not measured; badly torn by rifle bullet. Portion of skin & skull preserved.						
2954	13	Dipodomys deserti deserti	♂ ad.	357	213	253	15			56
2955	13	" " "	♀ ad.	351	210	242	15		Contained 3 foetuses, 2 on one side & 1 on the other; size No. 4 shot.	52
2956	13	" " "	♂ juv.	245	139					
2957	13	Dipodomys merriami!	♂ ad.	233	135	165	10.2			36
2958	13	"	♀ ad.	248	147	175	10.3			38
2959	13	Neotoma intermedia venusta	♂ ad.	308	145		24			33
		The following six mammals were trapped in the granite mountains 3 miles west of Tule Wells, as were Nos. 2951–2963								
2960	13	Neotoma intermedia venusta	♂ ad.	337	162		25			33
2961	13	Tamias harrisii saxicola	♂ ad.	238	91	114	5			40
2962	13	" " "	♀ ad.	236	85	110	5			39
2963	13	Dipodomys merriami	♂ ad.	245	146	172	10.4			37.3
2964	13	Sitomys eremicus eremicus	♂ ad.	197	109		15			22
2965	13	" eremicus " (~~Tinajas Altas, Yuma Co., Ariz.~~)	♂	179	98		15.5			20.
2966	15	Dipodomys merriami	♂ ad.	234	138	163	11.			38
2967	15	" "	♀ ad.	236	138	160	11		Two foetuses size of buckshot	37.5
2968	15	Tamias harrisii saxicola	♂ ad.	245	92	117	5.			40
2969	15	" " "	♂ ad.	222	85	113	4.5			38.5
2970	15	" " "	♀ ad.	230	82	102	4.5			40.5
2971	16	Sitomys eremicus eremicus (small) Mammae contain milk?	♂ ad.	195	106		[illegible]			20.8
2972	16	" " "	♀ ad.	199	112		17			21.
2973	16	" " "	♀ ad.	207	112		16			20.5
2974	16	" " "	♂ im.	188	104		15			20.8
2975	16	Canis ~~latrans~~	♀ ad.	1030 (~~1050~~)	310	395	102	100		178.
2976	16	Tamias harrisii saxicola	♂ ad.	233	80	101	5			39
2977	16	" " "	♂ ad.	233	85	107	4.7			39
2978	16	" " "	♀ ad.	232	90	114	5			38
2979	16	" Mammae 5 pairs " "	♀ ad.	238	87	112	5			39.5
2980	16	" " "	♂ ad.	245	92	116	5			41
2981	16	" " "	♂ ad.	233	85	109	4.8			40
2982	16	" " "	♀ ad.	223	81	105	5.			39
2983	17	" " "	♀ ad.	245	93	116	5.		6 large foetuses (4+2) put in alcohol	40
2984	17	Canis ~~latrans~~	♂							
2985	17	Sitomys eremicus eremicus (small)	♂ ad.	186	102		16.2			20
2986	18	Sitomys eremicus eremicus small	♀	174	105		16			19

No.	Between eyes	Diameter of eye	Longest whisker	Tip of nose to eye	centre pupil	ear	Tip of ear	Occiput	End hind limb	Fore limb from elbow	Manus	Claw	Hind limb from knee-joint	Pes	Claw
2975	44	15	80	93	104	173	280	19.8 (angle of mouth 100.)	1170.	305	127	17	310	178.	15

No.	No. of measuring on skull	Date Feby 1894	Name & Locality — Tinajas Altas, Ariz.	Sex & age	Length	Tail vert.	Tail end hair	Ear crown	Ear notch	Below eye	Diam. of eye	Longest whiskers	Nose to eye	Nose to center pupil	Nose to ear	Nose tips ear	Nose to tip of ear	Nose to end of hind limb	Fore limb from [illegible] joint	Mammae	Claws of [illegible]	Hind limb [illegible]	H.F.	Claws [illegible]	Wt. of [illegible]
2987	100	18	Sitomys americanus eremicus	♀ ad	188	109		17															21		
2988	101	18	Dipodomys merriami	♀ ad	244	147		10		2 foetuses fully formed.													35,5		
2989	102	18	" "	♂ ad	256	157		10,5															37		
2990	103	18	Bat Vespertilio californicus?	♀	88	43		10,5		alar expanse 235															
2991	104	18	Little Pale Bat (V. hesperus)	♂	70	26		8		alar expanse 199 Wing 47. in alcohol Metal Tag No. 34.															
2992	105	18	" " " " "	♂	65	26		8,5		alar expanse 190 Wing 45															
2993	106	18	" " " " "	♂	71	30		8		alar expanse 210. Wing 50															
2994	107	18	" " " "	♂	70	30		8		alar exp 195 in alcohol Metal Tag No. 35															
2995	108	19	Neotoma intermedia venusta	♀ ad	head & body 170			25,5		Tail defective													34.		
2996	109	19	Tamias harrisii saxicola	♂ ad	Tail broken: not					measured.															
2997	110	19	" " "	♀ ad	227	81	117	5.		Contained six foetuses - 3-3.													39		
2998	111	19	" " "	♀ ad	243	90	115	4.9		Contained six foetuses - 4.2.													39		
2999	112	19	Lepus texianus deserticola	♀ ad	555	102	153	163	130	45	16		55	63	92	250	715		180	66	♀ 4	247	128	103	
3000	alcoh	19	Vesperugo hesperus Little Brown Bat (pale)	♂ ad.	Put in alcohol					Metal tag No. 36 ~~wing, 46mm~~															
3001	114	19	Vesperugo hesperus	♂ ad.	70	29		8.4		alar expanse, 193; wing, 46mm.															
3002	115	19	Vespertilio californicus?' Little Red Bat	♂ ad.	77	37		10.4		alar expanse 217; wing, 52mm.															
3003	116	19	Vespertilio californicus"? Little Red Bat	♂ ad.	78	38		9.7		alar expanse, 215; wing, 53mm.															
3004	alcoh.	19	Vesperugo hesperus Little Pale Bat	♂ ad.	Put in alcohol					Metal tag, No. 37.															
3005	"	19	Vesperugo hesperus	♂ ad.	" " "					" " " 38															
3006	"	19	" " "	♂ ad.	" " "					" " " 39															
3007	113	20	Dipodomys merriami?	♂ ad.	233	139	163	9.7															36		
3008	117	20	Sitomys eremicus ^eremicus (small)	♂ ad.	183	101		16															20.3		
3009	118	20	" " "	♀ ad.	181	101		15.7															20.4		
3010	119	20	" " "	♀ ad.	182	102		15.															20.2		
3011	120	20	Perognathus p. angustirostris	♂ ad.	172	105	116	3.9															22.2		
3012	121	20	Dipodomys merriami	♂																					
3013	122	20	" "	♀																					
3014	123	20	" "	♀	235	139	163	11															36,5		
3015	124	20	" "	♀	240	143	165	9															37		
3016	125	20	" "	♂ ad	252	148	177	10															37		
3017	126	20	" "	♀	238	139	164	11,3															37		
3018	127	20	" "	♂ ad	251	148	175	10															38		
3019	128	20	" "	♀ ad	240	142	167	10															38		
3020	129	20	" "	♀	234	143	166	11															35,5		
3021	104	21	" "	♂ ad																					
3022	107	21	" "	♂ ad	232	137		10															37		
3023	130	21	" "	♂ ad	258	157		11															39		
3024	131	21	" "	♂ ad	243	145		11,5															36		

No.	No. of Collector's Tag	Date Feb. 1894	Name — Tinajas Altas, Arizona	Sex & age	Length	Tail vert.	Tail end of hair	Hind foot	Ear notch
3025	132	21	Dipodomys merriami	♂ ~~ad~~	229	137		10	
3026	133	21	" "	♀	233	143		11	
3027	134	21	" "	♀	253	153		11	
3028	135	21	Lepus texianus ~~eremicus~~ deserticola	♀ ad.	598	120		178	
3029	136	21	Ovis ~~montana~~	♀ ad.	1200	120		20	115
					Height at shoulder, 770				
3030	137	22	Ovis ~~montana~~	♂ ad.	Weathered skull + horns				
3031		22	" "	♂ ad.	One weathered horn.				
3032	138	22	Dipodomys	♂ ad.	Skeleton.				
3033	139	23	Spermophilus tereticaudus	♂ ad.	head + body, 151				
			Adonde (= where to?),	Yuma Co., Arizona.					
3034	140	24	Dipodomys d. deserti	♀ ad.	head + body,		135	14	interior base of ear 20
3035	141	24	" " "	♀ ad.	347	212	247	14	20
3036	142	24	" " "	♂ ad.	head + body,		145	15	21
3037	143	25		♀ im.	306	185		13	
3038	144	25	4 small foetuses " " " (Mammae 3 pairs (1-1-1). Have nursed young)	♀ ad.	347	202	244	14	19,5
3039	145	25	4 small foetuses	♀ ad.	332	205	242	13	19.
3040	146	25	" " "	♀ ad.	338	209	260	14	19
3041	147	25	Spermophilus tereticaudus	♂ ad.	235	88	110	3.	
3042	148	26	Dipodomys deserti deserti	♂ ad.	340	213	246	15	20,5
3043	149	26	" " "	♀ ad.	345	211	249	16	21
3044	150	26	" " "	♀ im.	293	166		13	
3045	151	26	" " "	♀ juv.	240	140			
3046	152	26	Neotoma intermedia venusta	♀	head + body,		153	23.5	
3047	153	26	Sitomys eremicus eremicus (small)	♀ ad	197	104	!	15	
3048	154	26	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂ ad.	171	84		15	
3049	155	26	Peromyscus eremicus eremicus ~~Sitomys sonoriensis?~~	♀ ad.	head + body,		86.	16	
3050	no skull	26	Peromyscus ? #	♀ ad.	—	99			
3051	156	26	Peromyscus eremicus eremicus	♂ ad	196	110		15	
3052	157	26	" "	♀ ad.	198	108		16.7	
3053	158	26	" "	♀ ad.	192.	109		14	
3054	159	26	Spermophilus tereticaudus	♂ ad.	238.	82	100	3	
3055	160	26	" "	♂ ad.	250	84.	112	3	Iris dark brown
3056	161	27	Dipodomys deserti deserti (3 small foetuses (grape).)	♀ ad.	331	190	232	14	20
3057	162	27	Neotoma intermedia venusta (3 small foetuses)	♀ ad.	342	170	~~24~~	24	
3058	163	27	" " "	♀ ad.	343	165	~~25~~	25	
3059	164	27	Peromyscus eremicus eremicus ~~Sitomys sonoriensis?~~	♂	190	105		13	
3060	165	27	Peromyscus eremicus eremicus	♂	181	97	12	14,5	
3061	166	27	Peromyscus t. deserticola	♀ ad.	185	82		17	

No.	Ear to eye	Diam. of eye	Longest whiskers	Nose to eye	Nose to center of pupil	Nose to ear	Nose to tip of ear	Nose to occiput	Nose to end of hind legs	Fore limb from knee	Manus	Claw of manus	Hind limb from knee	Pes	Claws of pes	% of mat.
3025														37		
3026														36		
3027														37,		
3028	Contained 2 foetuses (1+1) about 15 mm.													136,		
3029	122	23		167	184	220	365				270					60
	height at hip, 870. Length of horn 163. Iris yellowish hazel															
3033	Tail defective.													35		
														~~53~~		
3034	Tail defective. Mammae 3 pairs (1-1-1).													53		
3035	26	6.3	80	27	31	46	61	50	243	41.	17.	5	98	52	4.2	
3036	Tail defective. 7													53		
3037														52		
3038	28,5	7,2	82	28	32	47	64	52	248	41	19	5,7	100	54.	5,3	
3039	27	7.	80	28	30	45	61	50	240	40	16,5	4,5	97	57,5	5.	
3040	28	7,5	80	27	31	45	60	48,5	244	42	19	5,8	100	54	5,2	
3041														38		
3042	27	7,5	85	29	33	47	64	52	242	40	17,5	5	97	53	4,7	
3043	Iris dark brown 26	7	75	29	33,5	47	65	52,5	250	40,5	18	4,8	99	54,4	5,1.	
3044														53.		
3046	Tail defective.													33.		
3047														21		
3048														21,2		
3049	Tail defective.													21		
3050	Mangled by a Neotoma. No skull													22		
3051														21,3		
3052	has nursed young.													21		
3053	has nursed young.													22		
3054	23.	6,7	34,	16	20,5	33		41	229	27	22,5	6,2.	33.	35	5,3.	
3055	21	6,5	35	15,5	21.	33.		42	242	47	24	6,7.	66	37	6.	
3056	27	7	85	27	31	46	62	57	247	38	5,5	4,5	71	30	4,3.	
3057														36		
3058														35		
3059														29,5		
3060														20		
3061														23		

No.	No. of Metal Tag	Date 1894 Febr.	Name and Locality. Adonde, Yuma Co. Arizona.	Sex and Age	Length	Tail vert.	Tail, hairs	Ear, crown	Ear, notch	Angle of mouth	Between eyes	Diameter of eye	Longest whiskers	Nose to eye	Center pupil	ear	tip of ear	occiput	End of out-stretched hind limb	Fore limb from olecranon	Manus	Claw	Hind foot from knee	Pes	Claw
3062	167	27	Canis ~~latrans~~	♀ ad.	1110	300	380	117	109	102	50	16	70	97	107	190	320	215	1270	3.[illegible]	140	15	340	183	14
3063	168	27	Spermophilus tereticaudus	♂ ad.	Tail defective;				not		measured.														
3064	169	28	Neotoma intermedia venusta	♀ ad.	340	158		22																36	
3065	170	28	Sitomys bicolor / ~~te~~ texanus deserticola	♀ ad.	177	80		15																22	
3066	171	28	Sitomys sonoriensis? / eremicus eremicus	♂ ad.	203	117		17																21	
3067	172	28	" " ?	♀ ad.	202	111		15																20,8	
3068	173	28	Peromyscus eremicus eremicus	♀ im.	175	99		14																20,2	
		March	Gila City Yuma Co., Arizona.																						
3069	17~~4~~4	2	Sitomys sonoriensis?	♂ ad.	190	103		16																20,5	
3070	175	2	Onychomys t. perpallidus	♀ juv.	135	50		13,5.																20.	
3071	176	2	Perognathus p. angustirostris	?	172	100	116	5,2			eaten in trap													24	
3072	177	2	Dipodomys merriami?	♂ ad.	247	147	173	11																38	
3073	178	2	Dipodomys deserti deserti	♂ ad.	352	215	249	15,3																54.	
3074	179	2	" " "	♀																					
3075	180	3	" " "	♂ ad.	345	210	244	15			(Has nursed jung, mamma 3 pair.)													53.	
3076	181	3	Four foetuses ⬭ this size / " " ^ "	♀ ad.	333	203	368	14																52	
3077	182	3	Dipodomys merriami?	♂ ad.	241	143	174	11																38	
3078	183	3	Two (2) fully developed foetuses. / " "	♀ ad.	250	150	175	11																37	
3079	184	3	Perognathus p. angustirostris	♀	175	96	114	5,1																22,5	
3080	185	3	" " "	♂ ad.	186	105	125	6																25,5.	
3081	186	3	Onychomys t. perpallidus	♀ juv.	~~1~~120	46.																		2	
3082	187	3	Sitomys ~~sonoriensis~~ eremicus eremicus?	♀ ad.	205	117		15,5																22,6	
3083	188	3	" "	♂ ad.	194	108		14,5																21	
3084	189	3		♀ ad.	203	115		15																21	
3085	190	3	Two "foetuses size" of no. 1 shot. / " " ^	♀ ad.	201	110		15																20,5	
3086	191	4	" "	♀ im.	180	98		14																20	
3087	192	4	" "	♂ ad.	188	100		14																20,2	
3088	193	4	" "	♂	188	104		14,8																21.	
3089	194	4	" "	♀ im.	185	107		15																20,5	
3090	195	4	Sitomys "bicolor"	♂ ad.	170	81		15																21.	
3091	—	4	Perognathus p. angustirostris	♀ ad.	Put in alcohol.				No.		of metal tag } 53														
3092	—	4	" " "	♂ ad.	"	"	"		"		" " "														
3093	196	4	" " "	♀	183	107	125	5.																14,5	
3094	197	4	" " "	♂	head & body	80		5,3			Tail defective													24	
3095	198	4	Dipodomys merriami	♀ ad.	Tail defective.																				
3096	199	4	Mammae 3 pairs; has nursed young. / Dipodomys deserti deserti	♀ ad.	335	202	243	14,5																52	
3097	200	4	" " "	♀ ad.	340	205	242	14																52,5	
3098	201	4	" " "	♀ ad.	359	223	260	15																53	

No.	No. of Metal Tag	Date 1894 March	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Between eyes	Diameter of eye	Longest whisker	Nose to eye	Centre pupil to ear	Tip of ear	Occiput	End of outstretched hind extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee	Pes	Claw
3099	202	5	Onychomys t. perpallidus	♀ ad.	151	56		14		Contained 4 foetuses; put in alcohol (No. 57).												20.5	
3100	59	5	Dipodomys deserti, deserti	♂ ad.	Put in alcohol																		
3.101	"	5	" " "	♀ ad.																			
3102	"	5	Perognathus p. angustirostris	♀ ad.																			
3103	"	.5	" " "	♂ ad.																			
			Yuma, Arizona																				
3104	203	8	Mus musculus	♂ ad.	158	78		10.7														19.	
3105	—	—	Ovis montana	♀ ad.	One weathered horn					picked up at Tule Wells, February 11th, 1894.													
3106	204	9	Melanotic on feet + belly. Spermophilus tereticaudus.	♂ ad.	211	62,5																34	
3107.	205.	9	" "	♂ ad.	239	90																37	
3108	206	11	" "	♂ ad.	Tail defective.					Not measured													
3109	207	12	Perognathus p. angustirostris	♂ ad.	200.	114	134	5														25	
3110	208	12	" "	♂	184	108		6														24,5	
3111	209.	12	~~Sitomys~~ Peromyscus eremicus eremicus	♂ juv.	165	188		14,5			Topotype.											20-	
3112	210	13	Lepus a. arizonae	♀ ad.	375	0,8		82.														34.	
Lower Corner (204)			Monument 204.																				
3113	211	15	Neotoma cumulator.	♀ ad	head & body	185		29														36	
3114	212	15	" "	♂ ad	361	182		27														35	
3115	213	15	" "	♂.	336	154		26														37	
3116	214	15	~~Sitomys~~ Reithrodontomys megalotis (very normal) deserti	♀ ad	121	5		10,5														17	
3117	215	15	Peromyscus texanus deserticola	♀ ad	164	77		13														21	
3118	216	15	" " "	♂ ad	159	72		15,5														20,5	
3119	217	15	" eremicus eremicus.	♀ ad	182	95		16														20.	
3120	218	15	" " "	♂ ad	171	89		15														20	
3121	219.	15	" " "	♂ ad	175	91		16														21	
3122	220	15	" " "	♂																			
3123	221	15	Perognathus p. angustirostris	♂ ad	171	93		5														23	
3124	222	15	" " "	♀ juv																			
3125	223	15	" " "	♀	197	98		5														23	
3126	224	15	" " "	♂ ad	Tail defective																		
3127	225	15	" " "	♂ ad	177	93		5														24	
3128	226	15	" " "	♂																			
3129	227	15	" " "	♂																			
3130	228	15	" " "	♀																			
3131	229	15	" " "	♀	190	106		6														25,5	
3132	230.	15	" " "	♀	1.67	90		5,5														24	
3133	231	15	" " "	♂	184	100		6														26	
3134	232	15	" " "	♀	178	98		5														2[illegible]	

No.	Date	Name & Locality. Eg. Monument No. 204. Col. R.	Sex & age	Length	Tail vert.	Tail hair	Ear crown	Ear notch	Remarks	Pes
3135	15	Sigmodon h. eremicus	♂ ad	287	134		15			33
3136	15	Sigmodon hispidus eremicus	♀	244	111		14			32
3137	15.	" " "	♂	216	98		14,5			28.
3138	15	Perognathus penicillatus angustirostris								
3139	15	" in alcohol slitly mutilated in trap.	"		"					
3140	15	"	"		"					
3141	15	"	"		"					
3142	15	"	"							
3143	16	Peromyscus texanus deserticola (bicolor)	♂ ad	156	75		14.			20,5
3144	16	Peromyscus eremicus eremicus	♀ ad	177	99		16			21
3145	16	Reithrodontomys megalotis deserti (Hmal sp.)	♂ ad	139	76		11			18
3146	16	Peromyscus texanus deserticola (bicolor)	♀ ad	159	72		14		Contained 4 small foetuses (0).	21
3147	16	Peromyscus eremicus eremicus	♂							
3148	16	" " "	♀ -	159	94		15		—	20
3149	16	Peromyscus texanus deserticola (bicolor)	♂ juv.							
3150	16	Perognathus angustirostris	♂	179	101		6			26
3151	16	Perognathus penicillatus "	♂							
3152	16	" " "	♂ ad							
3153	16	" " "	♂	177	93		5			23
3154	16	" " "	♀							
3155	16	" " "	♂ ad	196	107		6,			25,5
3156	16	" " "	♀							
		Monument 200 Yuma Desert.								
3157	16	Dipodomys deserti	♂ ad.	370	228	277	14		Taken on middle of the Yuma Desert.	56.
3158	16	Dipodomys deserti deserti	♂ ad.	340	199	238	15			54.
3159	16	" " "	♂ ad.	353	215	263	15			55
		Monument No. 204 Cal. River								
3160	16	Peromyscus texanus deserticola ~~Sitomys~~ bicolor	♂ ad	{in alcohol Mrial Tap				71.		
3161	16.	Perognathus angustirostris	? ad.							
3162	16	Spermophilus tereticaudus ~~Neotoma~~ Monument No. 200	♀ ad	238	92	109	3		In the midst of the Yuma Desert!	37
		Monument 204, Col. River								
3163	17	Dipodomys deserti	♀	327	195	240	14			52
3164	17	Dipodomys deserti deserti	♀	344	208.	238	14			54
3165	17	" " "	♀	340	198	234	13,5			54
3166	17	" " "	♀	343	206.	237	14			52,5
3167	17	" " "	♂ ad	351	220	269	14			55
3168	17	" " "	♀ ad	323	188	228	14			52
3169	17.	" " "	♀	345	203	238	14			54,5
3170	17	" " "	♂ ad	347	210	238	13,5			55
3171	17	" " "	♂ im	~~Im~~ 346	211 ~~346~~	247	15			55
3172	17	" " "	♀	328	130		14,5			51

No.	Date 1894 March	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear above crown	Ear above notch	Between eyes	Diameter of eye	Longest whiskers	Nose to eye	Centre of pupil	Ear	Tip of ear	Occiput	End of longest extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee	Pes	Claw
		Monument 204 Colo. Riv.																					
3173	17	Dipodomys deserti deserti	♀ ad.	327	186	41.9	13		3 protuses 25 mm long. ^ Subcutaneous, interscapular gland developed as in males.													53,7	
3174	17	" " "	♂	335	194	235	3,5															53	
3175	17	" " "	♀	328	194	231	13,5															51,5	
3176	17	" " "	♀ ad.	345	200	240	14		3 protuses O													54	
3176 bis	17	" " "							No. 60255 bis, mamm.														
3177	17	" " "	♀	335	190	230	13,5	Skin Skull	do. No. 3176 is duplicated - 2 skins + 2 skulls.													54	
3178	17	Perognathus p. angustirostris	♂ ad.	181	98	114	6,3															25,2	
3179	17	" " "	♂ ad.	177	91	106	6,4															25	
3180	17	" " "	♀	172	91	105	5.															24,7	
3181	17	" " "	♀	183	95	110	5,7															24.	
3182	17	" " "	♀	184	103	119	6															25	
3183	17	" " "	♀ im																				
3184	17	" " "	♂ ad.	in Alcohol																			
3185	17	Neotoma cumulator Mearns.	♀ ad.	362	175	183	22															37.	
3186	17	Sigmodon h. ~~arizonae~~ eremicus	♂ im	236	108	16.	~~32~~															32	
3187	17	~~Sitomys minima (sp. nov.)~~ Reithrodontomys megalotis deserti	♀ im	132	63.	11																17.	
3188	17	~~Sitomys sonoriensis~~ Peromyscus eremicus eremicus	♂ im	169	88	17,5																21.	
3189	17	~~Sitomys bicolor~~ Peromyscus texanus deserticola	♀ ad.	168	74	13,5																21.8	
3190	17	Peromyscus texanus deserticola	♂ im																				
3191	17	" " "	♀ ad.	168.	75	15,5			5 protuses on one side O													21,5	
3192	17	" " "	♀ im																				
3193	17	" " "	♂ juv.																				
3194	17	Dipodomys deserti deserti	♀ ad.	360	212	253	14,7															57	
3195	17	" " "	♀ im.																				
3196	17	Spermophilus tereticaudus	♂ ad.	255	97	114	3															36,5	
3197	17	" "	♂ ad.	233	85	102	3															36	
3198	17	" "	♂ ad.	239	90	103	3															35	
3199	17	" "	♀ ad.	Tail defective																			
3200	17	" "	♀ ad.	238	95	114	3															36.	
3201	18	~~Sitomys bicolor~~ Peromyscus texanus deserticola	♂ ad.	161	72		13,5															21	
3202	18	Peromyscus texanus deserticola	♂ juv.																				
3203	18	Perognathus p. angustirostris	♀																				
3204	18	" " "	♂ juv.																				
3205	18	" " "	♂ ad.	204	107	125	6,6															25	
3206	18	" " "	♂																				
3207	18	" " "	♀ ad.	180	92	108	5,5															25	
3208	18	" " "	♀ ad.	169	87	102	5,5															24	
3209	18	" " "	♂ ad.	172	91	101	6															24	
3210	18	" " "	♀ im																				

No	Date 1894 March	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Between eyes	Diameter of eye	Longest whisker	Nose to eye	Centre pupil	Ear	Tip of ear	Occiput	End of under extremity	Fore limb from olecranon	Manus	Claw	Hind limb from knee-joint	Pes	Claw
3211	18	Monument 204 Col. R. Perognathus penicillatus angustirostris	♂ ad.	167	90	103	6														24		
3212	18	Dipodomys merriami ?	♂ juv.	192	113.																		
3213	18	Dipodomys deserti deserti	♀	331	196	238	14															52	
3214	18	" " "	♀ ad.	337	195	234	13															53,5	
3215	18	" " "	♀																				
3216	18	" " "	♂	330	196	243	15															52	
3217	18	" " "	♀ ad.	320	190	226	14	3 foetuses size BB shot.														52	
3218	18	" " "	♀ juv.																				
3219	18	" " "	♂	241	202	247	14															55.	
3220	18	" " "	♀	222	192	224	13,5															52	
3221	18	" " "	♂ ad.	345	203	240	14															56.	
3222	18	" " "	♂ ad.	345	199		15															55,5.	
3223	18	Spermophilus tereticaudus	♀ ad.	250	101	122	3															36	
3224	18	" "	♀ ad.	Skin almost				all bare. Not measured.															
3225	18	" "	♂ ad.	Tail defective				Stomach crammed with green vegetation.															
3226	18	Dipodomys deserti deserti	♂																				
3227	18	" "	♀																				
3228	18	Spermophilus tereticaudus	♂ ad.	Defective tail;				not measured. Stomach filled with vegetable debris															
3229	18	" "	♂ ad.																				
3230	19	Sigmodon hispidus ~~arizonae~~ eremicus	♀ im.	215	100		13.5															30	
3231	19	Dipodomys merriami	♀ ad.	252	152	173	11.3															36	
3232	19	" "	♂ ad.	250	150	175	11															37	
3233	19	Dipodomys deserti deserti	♀	Preserved in				alcohol. Metal tag No. 73.															
3234	19	" " "	♀ ad.	332	192	231	14	has nursed young cont 3 large foetuses.														53	
3235	19	" " "	♀	343	203	235	15															54	
3236	19	" " "	♂	353	208	244	14,5															56.	
3237	19	" " "	♀ ad.	Tail defective																			
3238	19	" " "	♀	347	20.5	245	15															55	
3239	20	Neotoma cumulator Mearns.	♂ ad.	375	173	181	24,0	30	20	7,5	70.	26.	29,5	45	78	54	287	51	19,3	26.	71	36	3,5
3240	20	Sigmodon hispidus ~~arizonae~~ eremicus	♂ juv.	194	77		13,3															29.	
3241	20	Perognathus penicillatus angustirostris ~~Sigmodon~~	♂ ad.	170	86	104	6															24	
3242	20	" " "	♂ ad.	178	95	112	5,8															25	
3243	20	" " "	♂ ad.	184	98	114	6															25	
3244	20	" " "	♂ im.																				
3245	20	" " "	♂ ad.	183	94	112	5,4															25	
3246	20	" " "	♂ ad.	194	100	115	5,4															25,5	
3247	20	" " "	♂ ad.	182	95	114	6															25	

No.	Date March 1894	Monument 204. Col. River																						
3248	20	Spermophilus tereticaudus	♀ ad.																					
3249	20	" "	♀ ad.																					
3250	20	" "	♀ ad.																					
3251	21	Perognathus p. angustirostris	♂ ad.	194	108		7.																	26,5
3252	21	" " "	♂ ad.	187	101		6																	25
3253	21	" " "	♂ ad.	187	101		6																	24,5
3254	21	" " "	♀ ad.	193	102		6																	25
3255	21	" " "	♂	Tail defective																				25
3256	21	" " "	♀	179	96		5																	25
3257	21	" " "	♂ juv.																					
3258	21	" " "	♀ juv.																					
3259	21	" " "	♂																					
3260	21	" " "	♂																					
3261	21	" " "	♂																					
3262	21	" " "	♀ juv.																					
3263	21	" " "	♀ juv.																					
3264	21	" " "	♀ juv.																					
3265	22	Lepus arizonae arizonae	♀ ad.	375	60	83	82																	81
3266	22	Perognathus p. angustirostris	♀ ad.	~~158~~ Tail defective, 16 let her go																				
3267	22	" " "	♂ ad.	Tail defective; Not measured. No. of Metal Tag. 76. In alcohol																				
3268	22	" " "	♂ ad.	Preserved in alcohol.																				
3269	22	~~Sigmodon~~ hi. ~~arizonae~~ hispidus eremicus	♀ ad.	274	gris hazel 121	124	14.	20	14.	4,6.	33	18	20,8	32,5.	54,5	49,5	222	38	1.7	3	6.0	33,5	5.
3270	23	Perognathus p. angustirostris	♂	in alcohol																				
3271	23	" " "	♀	"																				
3272	23.	" " "	♂																					
3273	24	Thomomys sp. no? umbrinus perpallidus	♀ ad.	202	68															25.5			27.	
3274	24	Perognathus p. angustirostris	♀	178	101		5,5																24,5	
3275	24.	" " "	♂ ad.	190	102		6																24,5	
3276	25	~~Sitomys~~ Reithrodontomys megalotis deserti minimus	♂ ad.	131	71		11																17	
3277	25	Reithrodontomys megalotis deserti	♀ ad.	151	78		11																17	
3278	25	~~Sitomys bicolor~~ Peromyscus texanus deserticola	♂ ad.	172	83		15																22	
3279	25	Sitomys eremicus eremicus	♂ ad.	181	99		17																21	
3280	25	~~Sigmodon h. arizonae~~ Sigmodon hispidus eremicus	♂ juv.																					
3281	25	Perognathus penicillatus angustirostris (eaten in trap.)	♂ ad.	206	108		7																27	
3282	26	Sigmodon hispidus eremicus	♀ im.	223	106		75																31	
3283	26	Sitomys eremicus eremicus	♀ ad.	195	107		17																21	
3284	26	" " "	♂ im.	partly eaten in trap.																				
3285	26.	" " "	♂ juv.																					

No.	Date March 1894	Mammals 205 Color. River. Name & Locality	Sex & Age						
3286	26	Nrotoma cumulator	♂ ad.	376	178		25		35
3287	26	Perognathus penicillatus angustirostris	♂ ad.	Tail defective.					
3288	.26	" " "	♂ ad.	178	96		6.		24.
3289	26	" " "	♂	178	95		5,5		24.
3290	26	" " "	♂ juv.						
3291	26	" " "	♂ ad.	197	106		6,5		25.
3292	26.	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂	142	68		14		20.
3293	26	" " apparently adult but very small compared with ms. form. sonoriensis	♂	145	70		14		20,5
3294	26.	"	♂	144	71		14		20.
3295	26	Reithrodontomys megalotis deserti ~~Sitomys minima~~	♂ ad.	140	71		12		18.
3296	26	" "	♀	116	60		11		16
3297	26	" "	♂ ad.	Tail defective					
3298	26	" "	♀	117	59		11		16
3299	26	" "	♀	127	66		10		17
3300	.26	" "	♀	120	62		11,5		17.
3301	2.6.	Onychomys torridus perpallidus	♀ ad.	157	57		16 has mammae young.	Type of Onychomys torridus perpallidus Mearns.	22.
3302	27	Perognathus penicillatus angustirostris	♂	preserved in Alcohol.					
3304.	27	" " "	♂						
3305	27	" " "	♂						
3306	27	" " "	♂						
3317	27	" " "	♂						
3308	27	" " "	♀						
3309.	27.	" " "	♀						
3310	27	" " "	♂ ad.	196	105		6		25.
3311	27.	" " "	♂	174	93		6		25
3312	27.	" " "	♀	184	100		5,5		25
3313	27.	Sitomys eremicus	♂ ad.	176	95		17		20,5
3314	27.	" "	♀	158	85,		15,5		19.
3315	27	Reithrodontomys megalotis deserti ~~Sitomys minima~~	♀	128	68		11,5		17
3316	27	" " "	♀	118	61		11		16,5
3317	27	" " "	♂ ad.	146	80		12		19
3318	27	" " "	♂	138	79		11		18,5
3319	27.	" " "	♂	131	73		11		17
3320	27.	Procyon hernandezii mexicana	♂ ad.	875	340		51		126
3321	28	Procyon hernandezii mexicana	♂ ad.	950	405		57		135.
3322	28	Perognathus penicillatus angustirostris	♂						
3323	28	" " " preserved in alcohol.	♂						
3324.	28	" " "	♂						

No.	Date March 1894	Name & Locality Monument 205. Col. R.	Sex to age																				
3325	28	Perognathus penicillatus angustirostris	♂ im	} in alcohol.																			
3326	28	" " "	♀ ad.																				
3327	28	~~Sitomys bicolor~~ Peromyscus texanus deserticola	♀ im																				
3328	28	~~Sitomys [illegible]~~ Reithrodontomys megalotis deserti	♂ ad	142	75	11																18		
3329	28	" " "	♂	136	74.	10,5																18		
3330	28	" " "	♂	120	65	12																18		
3331	28	" " "	♂	128	65	11,5																17		
3332	28	Peromyscus texanus deserticola	?	eaten by ant preserv'd in alcohol for Ellerson																			
3333	28	Sigmodon hispidus eremicus	♂	224	107		15															30.		
3334	28	" " "	♂	245	114		16															33.		
3335	28	" " "	♀	248	115		16,5															32.		
3336	28.	" " "	♂	247	114		15															33.		
3337	28	" " "		eaten in trap preserv'd in alcol																			
3338	29	" " " }																					
3339	29	" " " }	[illegible]																				
3340.	29	Sitomys ~~eremicus~~ eremicus }																					
3341	29	Reithrodontomys ~~[illegible]~~ megalotis deserti }																					
3342	29	Reithrodontomys megalotis deserti.																					
3343	29	Perognathus p. angustirostris																					
3344	29	" " "																					
3345	29	" " "																					
3346	30	Sigmodon h. eremicus	♀	210	96		16															30		
3347	30	" " "	♀	233	111		16															31		
3348	30.	" " "	♂	229	108		16,5															32		
3349	30	Sitomys eremicus eremicus	♂																					
3350	30	" " "	♀																					
3351	30	~~Sitomys [illegible]~~ Reithrodontomys megalotis deserti	♂ ad	144	74		12															18		
3352	30	Reithrodontomys megalotis deserti	♀ ad	135	70		12															17,5		
3353	30	" " "	♂	124	65		10,5															17		
3354	30	" " "	♀	124	66																			
3355	30	" " "	♀	143	74		12															18		
3356	30	" " "	♂ im	126	69		10,5															16,5		
3357	30	" " "	♂ ad	137	73		11															18		
3358	30	" " "	♀	117	61		11															17		
3359	30	" " "	♀ juv.	eaten in trap.																			
3360	30.	Procyon hernandezii mexicana Well at Ojenega, 30 m. S. Mont. No. 204	♀ ad	845	305	365	52	64	32	-	angel mauth 59 93	56	65	122	188	158	880 ~~228~~	228	9.3	11	257	128 }	195
3361	23	Spermophilus tereticaudus	♀ ad.	220	92	115	3														36.5		
3362	23	Thomomys umbrinus perpallidus	♀ ad.	194	70	Cheek pouches contained a good deal of grass												26	8		30	4	

No.	Date March 1894	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Between eyes	Diameter of eye	Tip of nose to eye	Centre of pupil	Ear	Tip of nose	occiput	End of ... extremity	Longest vibrissa	Fore limb from olecranon	Manus	Claw	Hind limb from knee	Pes	Claw
		Well at Cienega, 30 m. S. Mont. 204.																					
3363 [3]	23	Vulpes macrotis	ad.	Skull (in alcohol)				and		tail (dry) of one found dead and partially eaten.											Tag	91.	
3364 [4]	24	Thomomys u. perpallidus	♀ ad.	214	68														27			31	
3365 [5]	24	Sigmodon h. ~~arizonae~~ eremicus	♀ ad.	271	121		15.0			Contained 4 foetuses												32	
3366 [6]	24	Sigmodon h. eremicus.	♂ ad.	263	112		15.0															33	
3367 [7]	24	" " "	♂ ad.	280	128		15.5															34	
3368 [8]	24	~~Sitomys tricolor~~ Peromyscus texanus deserticola	♂ ad.	176	80		14.8															31	
3369 [9]	24	Peromyscus texanus deserticola	♂ ad.	168	75		15.															18	
3370 [10]	24	" " "	♂ ad.	176	78		14.2															22	
3371 [11]	24	" " "	♀ ad.	185	85		15.			Contained four foetuses.												22	
3372 [12]	24	" " "	♀ ad.	161	73		14.3															21	
3373 [13]	24	~~Sitomys " minima~~ Reithrodontomys megalotis deserti	♀ ad.	147	74		12.															17.5	
3374 [14]	24	Reithrodontomys megalotis deserti	♂ ad.	145	76		12.															17.5	
3375 [15]	24	" " "	♂ im.	126	64																		
3376 [16]	24	" " "	♀ ad.	152	80		11															18.6	
3377 [17]	24	~~Sitomys tricolor~~ Peromyscus texanus deserticola	♂ ad.	These four were preserved in alcohol.																			
3378 [18]	24	Peromyscus texanus deserticola	♀ ad.																				
3379 [19]	24	~~Sitomys minima~~ Reithrodontomys megalotis deserti	♂ ad.	No. of tag 78.																			
3380 [20]	24	Perognathus p. angustirostris	♂ ad.																				
		mouth Col. R. opposite to the mouth of Hardy's River																					
3381 [21]	25	Peromyscus texanus deserticola	♀	Preserved in alcohol metal tag no. 79																			
3382 [22]	25	" " "	♀																				
3383 [23]	25	" " "	♀																				
3384 [24]	25	" " "	♀																				
3385 [25]	25	" " "	♀																				
3386 [26]	25	" " "	♂	Preserved in alcohol. Metal tag No. 80.																			
3387 [27]	25	" " "	♂																				
3388 [28]	25	Sigmodon h. ~~arizonae~~ ~~deserti~~ eremicus	♂ juv.	Preserved in alcohol.						Metal tag No. 80.													
3389 [29]	25	Sigmodon hispidus eremicus	♀ ad.	252	109		15			Contained four foetuses.												31	
3390 [30]	25	" " "		268	115		15															33	
3391 [31]	25	" " "	♀	253	109		15															32	
3392 [32]	25	~~Sitomys " tricolor~~ Peromyscus texanus deserticola	♂ ad.	183	88		13															22	
3393 [33]	25	Peromyscus texanus deserticola	♀ ad.	194	89		15															22	
3394 [34]	25	" "	♀ ad.	181	90		14.3			Contained 3 large foetuses -												22	
3395 [35]	25	" "	♀	165	75		14															21	
3396 [36]	25	" "	♀ im.																				
3397 [37]	25	" "	♀ im.																				
3398 [38]	25	" "	♀ im.																				
3399 [39]	25	" "	♀ juv.	In the grayish coat.																			
3400 [40]	25	Sigmodon h. ~~arizonae~~ eremicus	♂ ad.	Head and body 130.			15.5		—													32	

No.	Date 1894 March	Name and Locality	Sex and Age					Remarks	
		Colo. R., Sonora, opposite the mouth of Hardy River.							
3401 [41]	26	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♀					Preserved in alcohol. Metal tag No. 81. (3401–3406)	
3402 [42]	26	Peromyscus texanus deserticola	♀						
3403 [43]	26	" " "	♀						
3404 [44]	26	" " "	♀						
3405 [45]	26	" " "	♀						
3406 [46]	26	" " "	♀						
3407 [47]	26	" " "	♂					Preserved in alcohol. Metal tag No. 82 (3407–3409)	
3408 [48]	26	" " "	♂						
3409 [49]	26	Sigmodon h. eremicus ~~arizonae~~ juv.	sex?						
3410 [50]	26	Sigmodon hispidus eremicus	♀	240	106		14		31
3411 [51]	26	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂ ad.	183	81		15		22.2
3412 [52]	26	Peromyscus texanus deserticola	♂ ad.	168	71		14		21.3
3413 [53]	26	" " "	♀ ad.	180	80		13.7		21
3414 [54]	26	" " "	♂ juv.	157	72				
3415 [55]	26	" " "	♂ juv.	120	56				
3416 [56]	27	Sigmodon h. eremicus ~~arizonae~~	♀	244	108		14.2		32
3417 [57]	27	Sigmodon hispidus eremicus	♂ juv.	217	102				
3418 [58]	27	" " "	♀ ad.	238	108		14.8		31
3419 [59]	27	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂ ad.	173	75		13.8		22
3420 [60]	27	" " "	♂ ad.	Tail	broken		12.5		22
3421 [61]	27	" " "	♂ ad.	162	70		12.5		21.5
3422 [62]	27	" " "	♂ juv.	122	58				
3423 [63]	27	Sigmodon h. eremicus ~~arizonae~~		Mutilated in trap; preserved in alcohol. Metal tag, No. 83				Same tag bunch. (3423–3425)	
3424 [64]	27	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂	Preserved in alcohol. Metal tag No. 83					
3425 [65]	27	" " "	♂	" " " 83					
3426 [66]	27	" " "	♀	" " " 84				One tag for the three (3426–3428)	
3427 [67]	27	" " "	♀	" " " 84					
3428 [68]	27	" " "	♀	" " " 84					
3429 [69]	28	" " "	♀ juv.	105	46				
3430 [70]	28	" " "	♂ juv.	124	57				
3431 [71]	28	Sigmodon h. eremicus ~~arizonae~~	♀	276	130		15		33
3432 [72]	28	" " "	♂ juv.	254	126		15		32
3433 [73]	28	" " "	♀ ad.	Tail broken Head & body,		150.	15.5		31
3434 [74]	28	Peromyscus texanus deserticola ~~Sitomys bicolor~~	♂ ad.					Preserved in alcohol. Metal tag No. 86. (3434–3439)	
3435 [75]	28	" " "	♀						
3436 [76]	28	" " "	♀						
3437 [77]	28	" " "	♀						
3438 [78]	28	" " "	♀						
3439 [79]	28	" " "	♀						

No.	Date 1894 March	Name and Locality.	Sex and Age	
		Colorado River, Sonora, opposite mouth of Rio-Hardy.		
3440 [80]	28	Sitomys ~~"bicolor~~ t. deserticola	♀	Preserved in alcohol. Metal tag No. 86.
3441 [81]	29	" " "	♀	" " " " 90
3442 [82]	29	" " "	♀	" " " " 90
3443 [83]	29	" " "	♀	" " " " 90
3444 [84]	29	" " "	♂	" " " " 92
3445 [85]	29	" " "	♂	" " " " 92
3446 [86]	29	Sigmodon h. ~~arizonae~~ eremicus	♀	" " " " 90
3447 [87]	29	" " "	♀	" " " " 90
3448 [88]	29	" " "	♀	" " " " 90
3449 [89]	29	" " "	♂	" " " " 93
3450 [90]	29	Lepus arizonae arizonae	♀ ad.	" " " " 95
		Corral, 10 miles below Colonia Diaz, Sonora.		
3451 [91]	29	Sus scrofa	♂ ad.	Skull picked up beside the carrizo marshes, where it had been shot.
		Colonia Diaz, Col. R., Sonora.		
3452	30	Dipodomys deserti deserti	♂ ad.	Preserved in alcohol. Metal tag No. 93
3453	30	Spermophilus tereticaudus	♂ ad.	" " " 93
3454	30	Sitomys ~~"bicolor~~ texanus "deserticola	♂ ad.	" " " 93
3455	30	Perognathus p. angustirostris	♀ ad.	" " " 93
3456	30	Las Carpas Col. R., Sonora.	♂ ad.	" " " 93
3457	30	Dipodomys deserti deserti	♀ ad.	" " " 94
3458	30	Dipodomys merriami!	♂ ad.	" " " 94
3459	30	Sigmodon h. ~~arizonae~~ eremicus	♀ juv.	" " " 94
3460	30	Sitomys ~~texanus~~ "deserticola	♀ ad.	" " " 94
3461	30	Perognathus p. angustirostris	♀ ad.	" " " 94
3462	30	Mon't. 204, Col. R. Mex. Bd. Line	♂ ad.	" " " 94
3463	30	" " "	♀	" " " 98
3464	30	" " "	♀	" " " 98
3465	31	Dipodomys deserti deserti	♂ ad.	" " " 3246
3466	April 1	Vulpes macrotis	ad.	Part of a flat skin trapped by Mr. Jos. Wheeler at
		Fort Yuma, San Diego Co., California.		
3467	2	~~Small Brown Bat~~ Myotis yumanensis (V. yumanensis).	♂ ad.	Preserved in alcohol. Metal tag No. 3209.
3468	2	" " " " "	♀ ad.	
3469	2	" " " " "	♀	87 37 3 11 Wing 58 alar expanse 245.
3470	2	" " " " "	♀	80. 36 Skull broken.
3471	2	" " " " "	♀ ad.	84 35 11 dar 4 254. Wing 54.
3472	2	" " " " "	♀ ad.	84 alar expanse 240; wing from carpal joint, 58 ear N. Tail 35
3473	2	Neotoma cumulator Mearns	♂ ad.	403 188 197 24,5 30,5 18 8 75 25 31 46 81 56. 292 54 22 3,1. 76 37 4,7
3474	2	Sitomys ~~bicolor~~ texanus deserticola	♂ juv.	126 57 mmd. Jung
3475	2	Sitomys ~~sonoriensis?~~ eremicus eremicus	♀ ad.	193 103 16 . Contained 3 foetuses size No. 4 shot. 21
3476	2	Peromyscus eremicus eremicus	♀ juv.	129 65

No.	Date 1894 April	Name and Locality	Sex and age	Length	Tail vert.	Tail hair	Ear crown	Remarks	Manus	Claw	Hind limb	Pes
		Ft. Yuma, San Diego Co., California.										
3477	2	~~Dipodomys merriami~~ Rhithrodontomys megalotis deserti	♂	137	70	~~145~~	11,5					18
3478	2	Perognathus p. angustirostris	♂ ad.	190	106.	125	6					25
3479	2	" " "	♂ ad.	176	97	123	5					23,5
3480	2	" " "	♂ ad.	209	115	130	6					25.
3481	2	" " "	♂ ad.	Mutilated. Preserved in alcohol. Metal tag No. 3245								
3482	3	Sigmodon h. ~~arizonae~~ eremicus	♂ ad.	Tail defective			14.5	(head & body, 163)				32
3483	3	~~Onychomys sonoriensis~~ Peromyscus eremicus eremicus	♂ ad.	186	96		16.	Topotype of Hesperomys eremicus Baird.				20.
3484	3	Peromyscus eremicus eremicus	♂ juv.	135	70			do				
3485	3	Perognathus p. angustirostris	♂ ad.	Tail defective.								
3486	3	(Castor ~~f.~~ canadensis frondator)	ad.	} Two skulls. Trapped on a lagoon of the Colorado river about 15 miles south of Yuma, Arizona, in 1893 by Mr. [illegible] Smart.								
3487	3	Castor canadensis frondator	"									
3488	8	Lepus arizonae arizonae (Cook's Wells Lower Calif.)	♀ ad.	396	59		88.					80.
3489	15	Urocyon c. scottii (Seven Wells, Lower Calif.)	-ad	Skull found at Seven Wells. April 15, 1894								
3490	16	Vulpes macrotis	-ad	Skull found at Seven Wells. April 16 1894								
3491	17	Gardner's Lagoon, L. Cal. " "	-ad	Mandibles found at Gardner's Lagoon April 17, 1894.								
3492	13	Canis ~~latrans~~	-ad	} Three skulls from Seven Wells, L. Cal. found April 13, 1894, where they had been left by scalp hunters								
3493	13	" "	-ad.									
3494	13	" "	-ad									
3495	25	Ovis ~~montana~~	♂ juv	~~Skull~~ Horn of a young male mountain sheep found at Gardner's Lagoon Ap. 25								
3496	26	Lepus arizonae arizonae	♂ ad.	365	70		83					80
3497	26	Spermophilus tereticaudus (Mammoth 5 paris)	♀ ad.	262	99	116	3.		~~32~~	~~8,5~~		36
3498	27	Lepus texianus deserticola (Monument 218, M. B. L.)	♂ ad.	580	114.1		162					127
3499	27	Thomomys b. n. perpallidus (Gardner's Lagoon)	♂ ad.	256	98	~~###~~	4,4		32,	8,5	35	5,3
3500	27	Dipodomys deserti deserti	-ad	Skull found,								
3501	30	Mephitis occidentalis holzneri (Hinchley Lake, New R., Calif.)	-ad.	Skull found.								
	May											
3502	2	Perognathus p. angustirostris	♂ ad.	191	98	107	6					25
		Laguna Station, San Diego Co., California										
3503	3	Lepus texianus deserticola	-ad.	Lower mandibles found by the roadside								
3504	3	Spermophilus tereticaudus (Indian Wells, New R., San Diego Co., Calif.)	♀ ad.	249	96	116	3					37
3505	5	Taxidea taxus berlandieri (Laguna Station, New R.)		Skull and most of skin picked up dessicated beside New River, San Diego Co., Cal.								
3506	5	Lynx ~~baileyi~~ ruffus eremicus (Type)	♂ ad.	925	170	195	75	ear to tip 8.3 · 82 · 33 · length of mouth 50 · 90 · 48 · 59 · 117 · 202 · 140 · 1190 · 287	133	18	325	185 · 18
		Fore limb from coracoid 390 - From great trochanter 500. hight at shoulder 500. hight at hips shoulder to hips 475.										
3507	8	Neotoma intermedia venusta (E. base of Coast Range Mts. at lowest water in Big Springs Cañon.)	♂ ad.	348	174		27					34
3508	8	Dipodomys deserti deserti (Coyote Wells, Col. Desert, S. D. Co. California)	♀ im.	308	185	21,2	14.5	Skin & skull from Coyote Wells.				51
3509	8	Small pale Bat (V. hesperus) (E. base of Coast Range Mts. at lowest water in Mtn. Sps. Cañon, San Diego Co. Cal.)	♂	} Preserved in alcohol.								
3510	8	Pipistrellus hesperus	♀ ad									
3511	9	Perognathus spinatus	♀	160	82	(tip of tail dead + dessicated)						21

No	Date 1894 May	Name and Locality	Sex and age	Length	Tail vert.	Tail, hairs	Ear, crown	Ear, notch	Between eyes	Diameter of eye	Longest whisker	Tip of nose to eye	To centre of pupil	Ear	Tip of ear	Occiput	End of … = skeletal limb, extremity	Fore limb from …	Manus	Longest claw	Hind limb from knee joint	Pes	Longest claw
1978	5	Indian Wells, San Diego Co. Cal. Otopterus californicus Big-eared Bat macrotis	ad.																				
1952	5	Otopterus californicus	ad.	Found dead and						dissecated in the old adobe stage station buildings by													
1953	5	" "	ad.	Mr. Frank X.						Holzner.													
1954	5		ad.																				
		♀ mammae 5 pairs Eastern base of Coast Range Mts., San Diego Co., Cal.																					
1955	7	Tamias leucurus ?	♀ ad.	213	65	85	4.5															37	
1956	8	" "	♀ im. ~~ad.~~	191	58		6															37	
1957	8	~~Neotoma~~ " "	♀ im. ad.	Not measured																			
1958	8	~~Sitomys~~ ~~Dipodomys~~ Sitomys boylii	♂ ad.	215	118	126	16.5	19.4	9.5	4	40	15	18	27	49	31	141	26	12.5	1.9	44	22	2.2
1959	9	~~Tamias~~ Spermophilus leucurus	♂ juv.	Not measured																			
1960	9		♂ ad.	219	70	89	7															38.5	
		"Mountain Springs", Coast Range Mts., San Diego Co., California:																					
1961	10	~~Neotoma~~ " "	♀ juv.	Skull only; cooked in						trap.													
1962	10	Sitomys eremicus fraterculus	♂ ad.	193	104																	24.5	
1963	10	" " "	♂ juv.	168	89		13.3															21	
1964	10	~~Spermophilus~~ ~~Perognathus~~ beecheyi	♀ ad.	397	157	194	19			Mammae 6 pairs (2-2-2).												55	
1965	12	~~Tamias~~ Spermophilus leucurus	♀ ad.	216	75	90	6															40	
1966	12	" " "	♀ juv.	Skull destroyed.																			
1967	13	" " "	♀ ad.	213	70	90	6.2			} Parent & progeny.												39	
1968	13	" "	♂ juv.																				
1969	13	Spermophilus beecheyi (mammae 6 pairs)	♀ ad.	430	167	213	20	27	33	9	53	24	32	49	74	62	376	72	33	8	97	54	7
1970	14	~~Tamias~~ Spermophilus leucurus (Mammae 5 pairs)	♀ ad.	Tail defective.																			
1971	14	" "	♂ juv.																				
1972	14	" "	♀ juv.																				
1973	14	" " "	♂ juv.	130	42																		
1974	14	" " " (mammae 5 pairs)	♀ ad.	222	72	91	6.5															37.	
1975	15	Eutamias merriami ~~Tamias [illegible]~~ !	♂ ad.	Tail defective Head + body		130	14															34	
1976	15	Tamias leucurus ?.	♂ ad.	225	74	91	6.															40.5	
1977	16	" "	♂ ad.	195	50					Tail abnormal												38.	
1978		Otopterus californicus																					
1979		Antrozous pallidus																					
1980		Bassariscus																					
		East base of Coast Range.																					
3512	9	~~Sitomys (eremicus group)~~ Peromyscus stephensi Mearns. stephensi	Type. ♀ ad.	193	108	114	16	18.4	8	3.8	39	11.8	14	20	40	26.5	125	21	9.7	1.4	38	19	1.7
		Mountain Springs, East Range, San Diego Co.,																					
3513	10	Neotoma intermedia venusta	♀ ad.	330	165		2[illegible]															34	
3514	10	Perognathus fallax pallidus	♂ juv.	Preserved in alcohol. No.						61649 U.S. Nat. Mus.													
3515	11	Sitomys eremicus fraterculus	♀ ad.	197	110		15.2															20.5	
3516	12	Lepus auduboni (Cottontail)	Juv. ~~ad.~~	340	60		82															76	
3517	14	~~Sitomys~~ Reithrodontomys longicauda	♀ ad.	149	78		10.5			Contained 3 foetuses 6 mm in diameter. Holzner has its mate.												16.5	
3518	6	Perognathus p. angustirostris	ad.	Dessicated. Found at						Coyote Well, Colorado Desert May 6, 1894.													
3519	6	" " "	ad.	do			do			do													

No.	Date 1894 May	Name and Locality	Sex and Age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Between eyes	Diameter of eye	Tip of nose to eye	Centre of pupil	Ear	Tip of ear	Occiput	End of nose to [illegible]	Longest whisker	Fore limb from olecranon	Manus	Claw	Hind [illegible]	Pes
		Mountain Springs, Coast Range Mts, San Diego Co. California																				
3520	16	Perognathus fallax pallidus	♀ ad.	188	98	120	7															22.7
3521	16	Sitomys eremicus fraterculus	♂ ad.	193	207		15															21.
		Summit of Coast Range Mountains, San Diego Co., California.																				
3522	17	Peromyscus eremicus fraterculus	♂ ad.	180	97		14,5															20,3.
3523	17	Peromyscus martirensis ~~Sitomys californicus~~	♀ ad	head & body	93		19,2															23.
3524	17	Perodipus (Dishazal) agilis	♀ ad.	327	204	228	16	20	22	6,6. Makers. 83.	26.	29	40,5	60	45	215	36.	15,5	5.	82.	44.	47.
3525	17	Dipodomys merriami parvus	♀ ad.	235.	138	160	10,5															37.
3526	17	Perognathus fallax pallidus	♀ ad.	190	103	121	7															25
3527	17	Perognathus panamintinus brevinasus ~~[illegible]~~	♀ ad.	128	68		5,2.															19
3528	17	Perognathus fallax pallidus	♀ ad.	Mutilated; in alcohol.						Metal tag 3528 (same).												
3529	17	Lepus (Jack) californicus	♂ ad.	530	107	150	167															115.
3530	17	Lepus audubonii sanctidiegi (Cottontail)	♀ ad.	405	66	87	85															92
		Jacumba, San Diego Co., California																				
3531	18	Lepus audubonii sanctidiegi	♂ ad.	412	69	97	97															94
3532	18	Neotoma fuscipes macrotis	♂ ad.	340	166		23															35
3533	18	Sitomys eremicus fraterculus	♀ ad	200.	108		14,3	Contained		4 foetuses, measuring 32mm (in length of foetal sack).												20
3534	18	Reithrodontomys longicauda ~~Sitomys minimus~~	♀ ad.	155	84		10															17
3535	18	Peromyscus texanus medius ~~Sitomys bicolor~~	♂ ad.	163	74		14															21
3536	18	Lepus audubonii sanctidiegi (cottontail)	♀ juv.	One-fourth grown.																		
3537	18	Pipistrellus hesperus ~~Vespertilio~~ Little brown Bat	♀ ad.	In alcohol. Holzner made						some skins of same species.												
3538	18	Spermophilus beecheyi	♀ ad.	409	156	195	16															54.
3539	18	Lepus (Jack) californicus	♀ ad.	528	98	134	154															121.
3540	19	Lepus audubonii sanctidiegi (cottontail)	♀ ad.	400	65	92	86															90
3541	19	Peromyscus texanus medius ~~Sitomys bicolor~~	♀ juv																			
3542	19	Sitomys eremicus fraterculus	♂ ad.	195	102		16,5															21.
3543	19	Reithrodontomys longicauda ~~Sitomys minimus~~	♂ ad	148	79		12															17,5.
3544	20	Perodipus agilis	♂ juv.																			
3545	20	Neotoma intermedia intermedia ~~venusta~~ ~~intermedia~~	♀ ad.	308	149		23			Neotoma intermedia intermedia												33.
3546	20	" intermedia venusta	♂ im.	288	138	2	22,8			" " venusta.												31,5.
3547	20	Perognathus fallax pallidus	♀ ad	194	,07		7															[illegible]
3548	20	Lepus audubonii sanctidiegi (cottontail)	♀ ad.	414	74	100	98															13.
3549	20.	Lepus audubonii sanctidiegi	♂ ad.	405	70	97	89															92
3550	21	Perodipus agilis	♂ ad.	293	173	202	14,7.															46
3551	21	Perognathus fallax pallidus	♀ ad	195	112	130	6.7.	Mammæ		3 pairs (1-0-2).												24,3
3552	21	Peromyscus texanus medius ~~Sitomys bicolor~~	♀ ad.	173	78	x5	15.															21
3553	21	Reithrodontomys longicauda ~~Sitomys minimus~~	♂ ad.	145	76.		9,7															17.
3554	21	" "	♀ ad.	142	73.		10,5	Mammæ		3 pair (1-0-2)												17.
3555	21	Lepus (Jack) californicus	♂ ad.	Skull only.																		
3556	21	" " "	♀ juv.	Size of a cottontail.						Skin + skull.												

No.	Date 1894 May	Name and Locality — Jacumba, San Diego Co., California	Sex and age	Length	Tail vert.	Tail hairs	Ear, crown	Ear, notch	Between eyes	Diameter of eye / Longest whisker / Tip of nose to eye / Centre pupil / Ear / Tip of ear / Heel / End of outstretched hind limb / Fore limb from elbow / Manus / Claw / Fore limb from knee-joint (remarks)	[illegible]	[illegible]
3557	21	Neotoma intermedia venusta	♂ juv.	225 Quite	100 Young.							
3558	21	Lepus ~~(cottontail)~~ auduboni sanctidiegi	♀ ad.	410	68	90	98			Not skinned; skull preserved.	94.	
3559	21	~~Swell Tale Rat~~ Vespertilio hesperus	♀ ad.	76	33		8,2	alar ex. 212		Wing 53		
3560	22	Neotoma intermedia intermedia	♀ ad.	308	147		24				32	
3561	22	Perodipus agilis	♀ ad.	289	169	195	15,8				43	
3562	22	Lepus auduboni sanctidiegi (cottontail).	♂ ad.	400	67	90	95			Not skinned; skull preserved.	96	
3563	22	Mephitis ~~mephitica~~ occidentalis holzneri	in	Skull	found.							
3564	22	Tamias leucurus	♀ ad.	230	73	92	6.4				39	
3565	22	Spermophilus beecheyi	♂ ad.	Not skinned;	skull					preserved.		
3566	23	Perodipus agilis	♀ ad.	287	165	193	16				44	
3567	23	Sitomys eremicus fraterculus	♂ ad.	182	94	45	15				20,2	
3568	23	Perodipus agilis	♀ juv.									
3569	23	Perognathus fallax pallidus	♀ ad.	200	112	123	6,5				27,2	
3570	~~23~~	~~Sitomys bicolor~~ Peromyscus texanus medius	♀ juv.	Quite young.								
3571	24	Peromyscus texanus medius	♂ juv.	Suckling. Skin & skull.								
3572	24	" " "	♂ juv.	Preserved in alcohol.								
3573	24	" " "	♂ juv.									
3574	24	~~Sitomys minima~~ Reithrodontomys longicauda	♂ ad.	142	72,5	~~4~~8	10				17	
3575	24	~~Perodipus~~ Perognathus panamintinus brevinasus	♀ ad.	146	79	87,	5,5,				20	
3576	24	Perodipus agilis	♂ ad.	297	177	200	14				44	
3577	24	" "	♀ ad.	290	170	193	15				42,5	
3578	24	Sitomys eremicus fraterculus	♂ ad.	Tail	defective							
3579	24	Sitomys californicus insignis	♂ ad.	226	125	21					25	
3580	24	Tamias leucurus	♀ ad.	217	73	95	6,2				39,	
3581	24	Lepus (Jack) californicus	♀ ad.	570	105	147	160				126.	
3582	24	Lepus auduboni sanctidiegi (cottontail)	♂ ad.	Not measured;	skull					only, preserved.		
3583	24	Lepus auduboni sanctidiegi	♀ ad.	"		"			"			
3584	24	Spermophilus beecheyi	♀ ad.	432			21			"Mammae" 2/2 - 2/2 - 2/2 = 6 pairs. Skull only.	55	
3585	24	Tamias leucurus	♀ ad.	220	75	97	6.5				39	
3586	25	Spermophilus beecheyi	♀	420	177	215	21				55	
3587	25	~~Sitomys bicolor~~ Peromyscus texanus medius	♂ juv.	In alcohol.								
3588	26	Thomomys bottae ~~bulbivorus~~ umbrinus nigricans	♂ ad.	220	74		3				27	
3589	27	Perodipus agilis	♀ ad.	290	170	195	15,3				40	
3590	27	~~Sitomys bicolor~~ Peromyscus texanus medius	♀ juv.	In alcohol								
3591	27	Lynx ruffus californicus	—	Skull and "running						gear" found at Jacumba		
3592	28	Mus musculus	♂ juv.									
3593	28	Cariacus ~~macrotis~~ hemionus californicus*	♂ im.	Measurements on page 352.						Ears very long! In summer coat, a small portion of winter hairs on hips. Metatarsal gland 75 mm long; the tuft of hairs in which it lies, 125		

*Shot by Jeremiah E. Crabb, blacksmith, Co. C. 24th Inf.

No.	Date 1894 May	Name and Locality (Jacumba Hot Springs, San Diego Co. Cal.)	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Remarks	Pes
3594	28	Sitomys californicus insignis	♂ ad.	241	131	142	21		Skin & skull	26
3595	28	~~Sitomys longicaudus~~ Peromyscus boylii "	♂ ad.	201	105		14,5		do	22,5
3596	29	~~Sitomys bicolor~~ Peromyscus texanus medius	♀ ad.	169	77		15		Preserved in alcohol	21
3597	29	Peromyscus texanus medius	juv.						do	
3598	29	" " "	juv.						do	
3599	29	" " "	juv.						do	
3600	29	Sitomys eremicus fraterculus	♂ juv.						Skin and Skull	
3601	29	Sitomys eremicus fraterculus	♂ juv.						Skin and skull	
3602	29	Perognathus fallax pallidus	♀ ad.	195	110	127	7		Preserved in alcohol.	24
3603	29	~~Chaetodipus~~ Perognathus panamintinus brevinasus	♀ ad.	147	86	88	5		do (No. 61652 U.S. nat. Mus.)	20
3604	29	Perodipus agilis	♀ ad.	273	162	191	15		do	42
3605	29	" "	♀ ad.	280	182	204	14,5		Skull and Skin.	41,5
3606	30	" "	♂ ad.	286	166.	193	14,5			44
3607	30	~~Chaetodipus~~ Perognathus panamintinus brevinasus.	♀ ad.	133	71		5,3			18,5
3608	30	~~Sitomys longicaudus~~ Peromyscus boylii boylii	♀ ad.	195.	106		15			22,5
3609	31	Spermophilus beecheyi	♀ ad.	Skull only						
	June	Nachoguero Valley, L. Cal.								
3610	1	Perognathus femoralis	♀ ad.	213	127	143	10,5		Nachoguero Valley.	26.
3611	1	~~Sitomys longicaudus~~ Peromyscus boylii boylii	♂ ad.	205	108	118	14,3			22,5
3612	1	Peromyscus boylii boylii	♀ ad.	204	113	122	15,5			23.
3613	1	Sitomys californica insignis	♀ ad.	223	120		20			23,5.
3614	1	Lepus (cottontail dark) Sylvilagus trowbridgei	♀ ad.	327	47	64	76			74
3615	1	Spermophilus beecheyi	♀ ad.	385	158	195	20			57.
3616	2	Neotoma fuscipes macrotis	♂ ad.	~~385~~ 377	180		~~27~~ 25,5.			37.
3617	2	Perognathus fallax fallax	♀ ad.	head & body		85	10,5	Skin missing. No. 63033,	U.S.N.M., Skull. Compared with skull of P. femoralis June 26, 1901. It is fallax. E.a.m.	26
3618	2	~~Sitomys longicaudus~~ Peromyscus boylii boylii	♂ juv.							
3619	2	~~Lepus f. megalotis~~ Spermophilus beecheyi	♀ ad	415	167	213	18		In alcohol.	55
3620	2	Spermophilus beecheyi	♀ ad.	425	180	220	19		Skull only —	57.
3621	4	" "	♂ ad	433	178	217	19			55.
3622	4	Neotoma ~~mexicana~~ intermedia venusta	♀ ad.	304	140	[illegible]	26			34
3623	4	~~Sitomys bicolor~~ Peromyscus texanus medius	♂ ad.	160	70		17			21.
3624	5	Lepus (cottontail) audubonii sanctidiegi	♂ ad.	365	60	90	88			91
3625	5	~~Sitomys bicolor~~ Peromyscus texanus medius	♂ juv. In alcohol.							
3626	6	Neotoma fuscipes macrotis	♂ juv. Quite young.							
3627	7	~~Dipodomys~~ Perodipus agilis	♀ ad.	286	170	197	13,5			42,5
3628	7	Spermophilus beecheyi	♀ ad	390	157	195	18	Skull only.		57
3629	7	Eutamias merriami (mammae contained milk)	♀ ad.	398	157					
~~3630~~	7	Spermophilus beecheyi	♀ ad.	395	153	193	19	Skull ~~only~~	destroyed	53
3630	1893	Cariacus ~~macrotis~~ Odocoileus hemionus eremicus	♂ ad.	Antlers of one killed near Black Butte, Colorado Desert, Lower California by Mr. Wm. Cameron. Six were [illegible] at the time.						

No.	Date 1894	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Between eyes	Diameter of eye	Longest whiskers	Tip of nose to eye	centre pupil	ear	Tip of ear	occiput	heel of hind limb	Fore limb from olecranon	Manus	Claw	Hind limb from knee joint	Pes	Claw
	June	Campo, San Diego Co., California																					
3631	8	Reithrodontomys longicauda ~~Sitomys [illegible]~~	♂ ad	146	77		11															17.	
3632	9	Laguna, Coast Range Mts., Cal. Tamias Eutamias merriami	♀ ad	244	109	138	17	Mammæ 4 pairs														36	
3633	9	" " "	♀ ad.	260	124	157.	15,5	" " "														37.	
3634	9	" " "	♀ (ad.)	254	126	160	15.	has not nursed														38	
3635	9	" " "	♂ ad.	250	120	143	15,5															36,5.	
3636	9	" " "	♀ juv																				
3637	9	Lepus cinerascens	♀ juv																				
3638	10	Sciurus fossor anthonyi	♀ ad.	595	305	385	28															84	
3639	10	" " "	♀ ad,	575	290		26.5															82	
3640	10	" " "	♀ ad.	570	286	~~36~~	28,5															82	
3641	10	" " "	♀ ad.	550	276	352	28															78	
3642	10	" " "	♀ ad	540	270	350	28															79	
3643	10	Spermophilus beecheyi	♀																				
3644	11	Sciurus fossor anthonyi	♂ juv.																				
3645	11	" " "	♂ ad.	560	275	355	27															79.	
3646	12	" " "	♀ juv.																				
3647	12	~~Eutamias merriami~~ ~~Tamias umbrinus~~ merriami	♀ ad.	257	125	150	13	Mammæ 4 pairs; has nursed.														37.	
3648	12	Peromyscus boylii ~~Sitomys longicauda~~ boylii	♂ ad.	185	93		14,7															22,2	
3649	12	Peromyscus boylii boylii.	♂ ad.	190	95.		15															22	
3650	12	Peromyscus texanus ~~Sitomys truei~~ ? medius.	♂ ad.	155	68		15	1'														21	
3651	12	Spermophilus beecheyi	♂ juv.																				
3652	12	Tamias Eutamias merriami	♀ ad	251	121	153	13															37.	
3653	12	" " "	♀ ad	250	122 ~~1282~~	151 ~~147~~	16															36.	
3654	13	" " "	♀ ad.	260	123	155	16,5	Mammæ 4 pair; has nursed.														38	
3655	13	" " "	♀ ad.	257	126	153	15	" " " " "														37,5	
3656	13	" " "	♀ ad	257	12.5	150	13	" " " " "														37.	
3657	13	" " "	♀ juv.																				
3658	13	" " "	♀ juv.	257	120	145	13	has not nursed														37	
3659	13	Spermophilus beecheyi	♂ juv																				
3660	14	Tamias Eutamias merriami	♀ ad.	250	115	145	15	Mammae 4 pairs; has suckled young.														37.	
3661	15	Lepus texianus californicus (Iris [illegible] yellowish brown)	♂ ad.	555	115	160	161	137	49	16	90	53	63	90	270	102 ~~180~~	730 ~~66~~	180	66	10 ~~263~~	253 ~~[illegible]~~	132	11
3662	15	Peromyscus boylii ~~Sitomys longicauda~~ boylii	♀ juv.																				
3663	15	Peromyscus boylii boylii	♂ ad.	199	93	100.5	16.															21.	
3664	15	Sciurus fossor anthonyi	♂ juv.	435	235																		
3665	16	Peromyscus boylii ~~Sitomys longicauda~~ boylii	♀ ad.	210	112	120	14															22.5	
3666	16	Tamias Eutamias merriami	♀ juv																				
3667	16	Spermophilus beecheyi	♀ juv.																				
3668.	16	Sciurus fossor anthonyi	♀ ad.	570	300	361		27.														81	

No.	Date 1894 June	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Remarks (Between eyes / Diameter of eye / Longest whiskers / Tip of nose to eye / Centre pupil / Ear / Tip of ear / occiput / End of outstretched hind limb / Fore limb from elbow / Mamma / Claw / Hind limb from knee)	Pes	Claw
		Laguna, San Diego Co., Calif.									
3669	16	Sciurus fossor anthonyi	♀ ad.	585	295	375	28			81	
3670	16	~~Sitomys longicauda~~ Peromyscus boylii boylii	♀ juv.	In alcohol							
3671	16	Peromyscus boylii boylii.	♂ juv.	Skin & Skull.							
3672	16	Sciurus fossor anthonyi	♂ ad	570	290	350	28,5			80	
3673	16	" " "	♂ ad	570	280	345	30,5			82.	
3674	16	Spermophilus beecheyi	♀ juv.								
3675	16	" "	♂ juv.								
3676	17	~~Tamias umbrinus~~ Eutamias merriami	♀ juv.	Has not suckled					young.		
3677	17	Spermophilus beecheyi	♂ juv.								
3678	17	" "	♂ juv.								
3679	18	~~Tamias umbrinus~~ Eutamias merriami	♂ juv.								
3680	19	Eutamias merriami.	♀ juv.								
3681	19	Thomomys ~~bulbivorus~~ umbrinus nigricans	♀ juv.	200	75		4,2			26.	
3682	19	Thomomys umbrinus nigricans	♀	195	59		4,7.			25	
3683	19	Sciurus fossor anthonyi	♀ juv.	Very young.					Skull destroyed.		
3684	19	Spermophilus beecheyi	♀ juv.	"	"						
3685	19	"	♂ juv.	"	"						
3686	20	~~Tamias umbrinus~~ Eutamias merriami	♂ juv.	"	"						
3687	20	Spermophilus beecheyi	♀ juv.								
3688	20	~~Sitomys longicauda~~ Mammae 3 pairs 1 pectoral + two inguinal	♀ ad.	202	105		16		~~Peromyscus boylii boylii~~.	22	
3689	20	Sciurus fossor anthonyi	♂ ad.	550	265	336	29		In Alcohol.	78	
3690	20	Sciurus fossor anthonyi	♀ ad.	560	292	354	28		Mammae 4 pairs. do	81.	
		Tecate River, southeast of Tecate mountain, Lower California.									
3691	25	Perodipus agilis	♂ juv.								
3692	25	Lepus ~~trowbridgei~~ cinerascens, Baird	♂ ad.	312	42	64	84		Male adult.	70.	
3693	26	Lepus cinerascens Allen	♀ ad.	310	41	56	86			73	
3694	26	Lepus ~~audubonii~~ sanctidiegi Miller ~~Baird~~	♀ ad.	420	75	100	94			93	
3695	26	Sitomys californicus insignis	♂ ad.	240	136	147	21			25,5	
3696	26	~~Sigmodon~~ Arvicola ~~edax~~ californicus	♂ ad.	192	59	65.5	12.5			24	
3697	27	Neotoma ~~fuscipes~~ intermedia intermedia	♂ juv.	Quite immature.					Holzner skinned an adult of this species - same place & date.		
3698	27	Lepus ~~trowbridgei~~ audubonii sanctidiegi	♀ im.								
3699	28	~~San Pedro Ranch. L. Cal.~~ Sitomys californica insignis	♀ im.	Contained two foetuses					28mm in length. Probably a first pregnancy.		
3700	28	Sitomys californica insignis	♂ juv.	Gray coat.							
3701	28	" " insignis	♂ juv.	do							
		San ~~Pedro~~ Ysidro Ranch, Lower California.									
3702	28	Spermophilus beecheyi	♀ ad	400	167	210	19			54	
3703	29	~~Sitomys minimus~~ Reithrodontomys longicauda	♀ ad.	150	75	72	12		Contained 4 foetuses, 10mm in length (i.e. foetal envelope)	17	
3704	29	~~Sitomys bicolor~~ Peromyscus texanus medius	♂ ad.	182	87		14			21,7	
3705	29	" " "	♀ ad.	169	77		13		Contained 3 foetuses 22mm in length (i.e. foetal envelope)	21	
3706	29	" " "	♀ ad.	165	76		14			20	

No.	Date 1894	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch		Pes
	June	San Isidro Ranch, L. Cal.								
3707	29	Peromyscus texanus medius ~~Sitomys bicolor~~	♂ juv.	Skin & skull						
3708	29	Neotoma intermedia ~~fuscipes~~ intermedia	♀ juv.	"	"	"				
3709	29	" i. intermedia	♂ juv.	"	"	"				
3710	29	Spermophilus beecheyi	♀ juv.	Skull only.						
3711	29	" "	♀ juv.		"	"				
3712	29	" "	♀ juv.		"	"				
3713	29	" "	♀ juv.		"	"				
3714	29	" "	♀ juv.		"	"				
3715	29	" "	♀ juv.	Skin and skull.						
3716	29	" "	♀ juv.	Skull only.						
3717	29	" "	♂ juv.		"	"				
3718	29	" "	♂ juv.	Skin and skull						
3719	29	" "	♂ ad.	440	179	218	22			56
3720	29	" "	♂ ad.	403	163	208	2?			55
3721	29	" "	♀ ad	396	150	188	20			53
3722	29.	Lepus ~~audubonii~~ sanctidiegi	♀ juv.	380	62	88	86			84.
3723	30	Spermophilus beecheyi	♂ ad.	418	168	215	21			56
3724	30	Peromyscus texanus medius ~~Sitomys bicolor~~	♀ ad.	160	73		14			20
3725	30	Reithrodontomys longicauda ~~Sitomys [illegible]~~	♀ ad.	160	86		12		in alcohol	18
3726	30	Spermophilus beecheyi	♀ juv.	Skin and skull.						
3727	30	" "	♂ juv.	"	"	"				
3728	30	" "	♂ juv.	"	"	"				
3729	30	" "	♀ juv.	"	"	"				
3730	30	"	♂ juv.	Very small. Skin & skull						
3731	30	Thomomys ~~bulbivorus~~ umbrinus nigricans	♀ ad	204	61		4.2	—		27.5
3732	30	Thomomys umbrinus nigricans	♂ ad.	235	79		5			32
	July	San ~~Pedro~~ Ysidro Ranch, L. Cal.								
3733	1	Thomomys ~~bulbivorus~~ umbrinus nigricans	♂ ad	232	78		5			30
3734	1	Perodipus agilis	♂ juv.	half-grown young.						
3735	1	Reithrodontomys longicauda ~~Sitomys [illegible]~~	♂ —	} mutilated in trap.						
3736	1	Sitomys ~~bicolor~~ minima	— ad	} Preserved in alcohol.						
3737	1	Peromyscus ~~bicolor~~ texanus medius	♂ ad.	154	69		15			21
3738	1	Peromyscus tex. medius ~~Neotoma bicolor~~	♂ ad	157	72		15			20.
3739	1	Neotoma intermedia intermedia	♀ juv.	Tail bicolored but slightly ~~somewhat~~ dusky below. Soles dusky. Evidently young of N. fuscipes.						
3740	1	Spermophilus beecheyi	♀ ad.	Skull only.						
3741	1	" "	♂ ad.	Preserved in alcohol						
3742	1	" "	♂ juv.	Skull, only.						
3743	1	" "	♂ juv.	"	"					
3744	1	" "	♀ juv.	"	"					

No.	Date 1894	Name and Locality	Sex and age	Length	Tail vert.	Tail hairs	Ear crown	Ear notch	Other measurements / remarks	Pes	
	July	San Isidro Ranch. L. Calif.									
3745	1	Spermophilus beecheyi	♀ ad.	Preserved in alcohol.							
3746	2	Neotoma ~~fuscipes~~ intermedia intermedia	♂ ad.	336	158		27			34	
3747	2	Neotoma intermedia intermedia	♂ ad.	314	144		23.5			31.5	
3748	2	Sitomys californica insignis	♂	209	111		18			25.5	
3749	2	Peromyscus texanus medius ~~Sitomys bicolor insignis~~	♀ ad.	183	83		14			21.3	
3750	2	Peromyscus texanus medius	♀	153	71		13.2			19	
3751	2	" " "	♀ juv.	mutilated in trap							
3752	2		♂ juv.								
3753	2	Reithrodontomys longicauda ~~Sitomys minimus~~	♀ juv.	Preserved in alcohol.							
3754	2	Perognathus fallax fallax	♂	184	100	110	7			23	
3755	2	Spermophilus beecheyi	♂ ad.	403	173	210	20			54	
		Cottonwood Creek, Lower Calif.									
3756	3	Neotoma fuscipes	♂ ad.	345	161		23		Skin & skull. Not poisoned. Shot in daytime.	33.5	
		El Nido P.O. San Diego Co., California									
3757	4	Neotoma fuscipes macrotis	♂ ad.	350	166		25		Preserved in alcohol.	34	
3758	4	" " "	♂ ad.	354	181		27		" " "	37	
3759	4	Perognathus fallax fallax	♀ ad.	189	100		7.7		" " "	25	
3760	4	Reithrodontomys longicauda ~~Sitomys minimus~~	♂ ad.	141	73		10		Not poisoned	17.5	
3761	4	Sitomys eremicus fraterculus	♂ ad.	190	103		15		" "	21	
3762	4	Peromyscus eremicus fraterculus	♂ juv.						" "		
3763	4	" " "	♂ juv.						" "		
3764	6	Neotoma ~~fuscipes~~ intermedia intermedia	♂ ad.	355	172	180	21	29	16 7 70 24 28 42 73 51 265 48 21 3 70	35	4
3765	6	Perodipus agilis	♂ ad.	284	173	196	13,5			41	
3766	6	Thomomys ~~bulbivorus~~ umbrinus nigricans	♀ ad.	203	66		5,7			27.	
3767	6	Sitomys ~~bicolor~~ medius Mammae 2 pairs 1-0-2 = 3 pr.	♀ ad.	176	82		14			20	
3768	6	Reithrodontomys longicauda ~~Sitomys minimus~~	♂ ad.	147	77		10,5			16,5	
		San Cedro Ranch L. Calif.									
3769	3	Sitomys eremicus fraterculus	♀ juv.	The only specimen taken at San ~~Cedro~~ Ysidro ranch.							
		Tanuel Creek, 2 miles above El Nido P.O., San Diego Co., California									
3770	7	Lepus trowbridgei cinerascens	♀ ad.	333	50	68	83	73 [73]	Iris hazel 31 12 58 32,5 40 66 151 472 92 42 6 1.47.	78	8
3771	7	" " "	♀								
3772	7	Thomomys ~~bulbivorus~~ umbrinus nigricans	♂ ad.	225	76		4,2 [42]			30.	
3773	6	Spermophilus beecheyi	♂ juv.								
3774	8	Lepus californicus	♀ juv.								
3775	8	Peromyscus texanus medius ~~Sitomys bicolor~~	♂ ad.	176	79		14			21,3	
3776	8	Sitomys californica insignis	♀ juv.	215	120		19			25	
3777	8	Reithrodontomys longicauda ~~Sitomys minimus~~	♂ ad.	144	74		11,8			16,5	
3778	8	Perognathus fallax fallax	♂ ad.	185	100	115	~~xx~~ 5,5			24	
		Pacific Ocean at the Last Monument									
3779	10	Sitomys ~~bicolor~~ medius	♂ ad.	Preserved in alcohol.							
3780	10	Peromyscus texanus medius	♀ ad.								
3781	10	" " "	♀ juv.								
3782	10	Taxidea taxus neglecta	♀ juv.	620	137	180	28	48	33 8 whisker 37 55 62 angle mouth 69 ear 104 157 occ. 146 680 alier 183 100 26 163	103	

No.	Date 1894	Name and Locality	Sex and age	Length	Tail vert	Tail hairs	Ear crown	Ear notch	Ret eyes	Remarks / measurements	Length of Pes
3783	July 10	Lepus audubonii sanctidiegi	♀ ad.	385	63	87	78			Nursing. Mammary glands filled with milk.	85
3784	11	~~Sitomys bicolor~~ Peromyscus texanus medius	♂ ad.	169	78		15				21
3785	11	Peromyscus texanus medius	♀ juv.								
3786	12	" "	♂ juv.								
3787	12	~~Chaetodipus~~ Perognathus pacificus	♀ ad.	113	53	58	5				15.5
3788	13	Lepus audubonii sanctidiegi	♂ ad.	400	68	90	84				87.
3789	13	Spermophilus beecheyi	♂ ad.	420	182	223	21			Strong odor of vanilla, from vegetation in its stomach.	56
3790	13	~~Sitomys [illegible]~~ Reithrodontomys longicauda	♂ ad.	145	71	~~78~~	10.5				17.7
3791	13	~~Chaetodipus~~ Perognathus pacificus	♀ ad.	110	54	59	5				15.3
3792	13	Lepus californicus	♀ ad	570	93	138	148	123	46	Mammary glands filled with milk. 15.5 98 52 60 187 245 775 175 69 9 228 131	11,3
3793	14	~~Chaetodipus~~ Perognathus pacificus	♂ ad.	105	53	59.5	4.2				15.7.
3794	14	~~Sitomys bicolor~~ Peromyscus texanus medius	♀ ad	In alcohol							
3795	16	Peromyscus texanus medius	♂ ad.	"		"					
3796	16	~~Sitomys [illegible]~~ Reithrodontomys longicauda	♀ juv.								
3797	16	Mephitis occidentalis holzneri	♀ ad.	Skull only							
3798		Canis latrans	♂ ad.	} Shot by Holzner at						Gardner's Lagoon, ~~San Diego Co.~~ Lower California, Mexico.	
3799			♀ ad								
3800	July 19	Lepus trowbridgei cinerascens	♀ ad	325	46	67	83			Pacific Ocean at mon't 258.	74
		[illegible] Pine Valley, San Diego Co., California									
3801	12	Large Brown Bat	♂ ad.	107	43		12			Alar expanse 305 Eptesicus fuscus	
3802	12		♀ ad.	111	46	.	12.5			Alar expanse 330 " "	
3803	12	Lepus audubonii sanctidiegi	♀ ad.	Skin of head & skull.							
		~~San Clemente Island, Pacific Ocean.~~									
3804	13	Large Brown Bat	♀ ad.	110	45		12.5			Alar expanse 325 Eptesicus fuscus	
3805	13	Eptesicus fuscus	♀ juv.	110	45		12.5			" " 320 " "	
		San Clemente Island, Pacific Ocean.									
3806	24	Peromyscus texanus clementis	♂ ad.	164	74		14.5				20.5
3807	24	Peromyscus texanus clementis	♂ ad	161	73		16				21
3808	24	" " "	♀ ad.	163	72		15				21
3809	24	" " "	♀ ad	16[illegible]	75		15				20.5
3810	24	" " "	♀ juv.								
3811	24	" " "	♂ juv.								
3812	24	" " "	♂ ad	In alcohol; partially eaten in						Trap	
3813	24	Urocyon littoralis	♀	[illegible]	246	[illegible]	[illegible]	[illegible]	21	11.5 70 42 49 50 96 155 110 660 141 72 11 170	105 11
3814	26	Sitomys [illegible] clementis	♂ ad.	167	77		16.5				20.2
3815	26	Peromyscus texanus "	♀ ad	160	68		15				20
3816	26	" " "	♂ juv.								
3817	26	" " "	♀ juv.								
3818	26	" " "	♀ juv.								
3819	27	" " " Iris dark hazel	♂ ad.	177	77	82	17	18	10	4 35 14 16 25 45 145 26 13 2 41	21 3.6
3820	27	" " "	♀ ad.	168	75	.	16				20.5

No.	Date	Name and Locality	Sex and age	Length	Tail vert.	Hal.(?)	Ear crown	Remarks / measurements (p. 177)	Pes	
	1894 Aug.									
3821	27	Peromyscus texanus clementis	♀ ad.	166	75		15		20.5	
3822	27	" " " "	♀ juv.	156	71		14.5		20.1	
3823	27	" " " "	♀ juv.							
3824	27	" " " "	♀ juv.							
3825	27	Procyon littoralis (caudal vert. …)	♀ ad.	653	245	296	57	63 23 12 80 57 105 68 118 665 148 78 14 182	108	125
3826	27	Vespertilio californicus	♂	in alcohol. length				82 wing 53; ear 9.5. Myotis californicus.		
3827	28	Peromyscus texanus clementis	♀ ad.	172	78		15	[illegible]	21.5	
3828	28	" " "	♂ juv.							
3829	28	Procyon littoralis	♀ ad.	640	230	275	59	60 23 12 63 54 42 50 93 155 111 (650) 147 77 14 180	107	12
	March, 1895									
3830	17	Mouse	ad.	Skeleton. Post Hosp.				Ft. Myer, Va. March 17, 1895.		
3831	17	Scalops aquaticus ~~Scapanus townsendi~~ U.S.N.M.	♀ ad.	Length 6 5/16; tail, 1 1/16; length				of manus 14/16; width of manus, 11/16; length of pes, 12/16 inches. Alcoholic		
	June 1895									
3832	11	Lepus sylvaticus U.S.N.M.	♀ juv.	185	Size of Tamias			striatus. Ft. Myer, Va. Skin & skull.		
3833	22	Scalops aquaticus U.S.N.M.	♀	158	30	34		Tip of nose to front lid. 10. 21; end hind limb 162; 43.5; 35; width 19; 20.5; 8; 34	18.5	3
	July									
3834	4	Blarina brevicauda ~~Blarina brevicauda~~ July 4, 1895	♀ ad.	113	22			Gettysburg, Pa. July 4, 1895. 11.	13.2	
	Aug									
3835	30	Microtus ~~Arvicola~~ pinetorum U.S.N.M.	♀ ad.	130	23		5	8 Ft. Myer, Va.	17	
3836	5	~~Arvicola~~ pennsylvanicus U.S.N.M.	♂ ad.	176	50		8.5	13. do; end hind limb 166 35	22.	
3837	5	Blarina talpoides ~~brevicauda~~ U.S.N.M.	♀ ad.	115	25			11.	14.	
3838	6	" " U.S.N.M.	♀ ad.	103	22			10.8	14.2	
3839	6	" " U.S.N.M.	♀ ad.	Preserved in alcohol.						
3840	7	" " U.S.N.M.	♂ ad.	116	22			11.2	15.	
3841	7	Peromyscus leucopus americanus U.S.N.M.	♂ ad.	164	74		12	15.	20	
3842	8	Peromyscus leucopus U.S.N.M.	♂ ad.	162	71		11.2	15.	21	
3843	10	" " U.S.N.M.	♂ ad.	186	88		12.7	16.5; width of manus 19 19	21	
3844	10	Scalops aquaticus U.S.N.M.	♀ ad.	153	27			width pes, 7;	18.3	
3845	12	Peromyscus leucopus ~~americanus~~ U.S.N.M.	♂ ad.	164	73		12.5	16.	20.	
3846	12	Mus musculus U.S.N.M.	♂ ad.	157	78		11.5	12.5	18.5	
3847	~~1893~~ 1894 Aug. 13	~~Fort Huachuca, Arizona~~ ~~Antrozous~~ Dried head of Bat. Eptesicus fuscus.		~~San Luis Mts. & Coast~~ ~~Presented by Dr. [illegible]~~				Range Mts., S. California (Pine Valley). ~~E. Willcox, [illegible], No. 22238 usnm. Alcoholic.~~ No.	36999, usnm	
3848	~~1893~~ July 1892	Bison?	— ad.	Sternum found at				~~Santo~~ San Bernardino Ranch, Mexican Boundary Line ~~22256 usnm. Alcoholic~~ No.	35842, usnm	
3849	1894 March 29	Reithrodontomys megalotis deserti		Colorado River at				Monument 205, M.B.L. No. 61619 usnm. Alcoholic.		
3850	"	" " "						do No. 61620 usnm. Alcoholic.		
3851	1894 March 4	Dipodomys deserti deserti		Gila City, Yuma Co.,				Arizona. Pes only. No. 61543 usnm. Alcoholic.		
3852	1894 April 9	Seven Wells, Salton River, Colo. Desert. Perognathus p. angustirostris	♂	61647 usnm.				Alcoholic.		
3853	"	" " "	♂	61648 usnm.				"		
3854	189?	Ovis montana.	♀ juv.	~~36332~~. One small				horn; fresh; shot by Joe Wheeler. Tinajas, Gila Mts., M.B.L.		
3855		Dicotyles ~~Odocoileus hemionus~~	♀ juv.	Captured at Santa Cruz,				Sonora and sent from Tucson to Nat. Zool. Park, where it died		
3856		Cariacus ~~macrotis~~	♂ ad.	Horns of "Cactus"				buck.		
3857		Bassariscus astuta	ad.	Huachuca Mts.,				Arizona		
3858		Canis ~~latrans~~ ochropus	ad.	Weathered skull				from San Ysidro Ranch, S. Calif. Found June, 1894.		

Collector's No.	Sex and age	Mus. No.	Name and Locality.	Date.	Length.	Tail vert.	Head.	Ear from crown	Hind foot	Remarks.
3859		no skin 63168	Lynx baileyi Huachuca Mts.							Skull only.
3860		63170 no skull	" " Ft. Clark, Texas.							Skin only.
3861	♂ ad.	no skin 63178	Antilocapra americana. White Water, N. M.							One fresh horn.
3862		62632	Mus musculus. Washington, D. C.							Alcoholic.
3863	♂ ad.		Scalops aquaticus. Fort Myer, Va.							Skin & skull.
3864	♀ ad.	63205	Mus musculus. Tucson, Arizona							Alcoholic.
3865	♀ ad.	83629	Peromyscus leucopus. Chain Bridge, Alexandria County, Va.	April 6-1896	171	78	28	11.5	20.5	"
3866	♂ ad.	83630	" " do	"	169	78	28	10.5	20.5	"
3867	♂ ad.	83631	" " do	"	179	85	28.5	11.0	20.3	"
3868	♀ ad.	83632	" " do	"						"
3869	♂ ad.	83633	" " do	"						"
3870	♂ ad.	83634	" " do	"						"
3871	♂ ad.	63367	" " do	April 7, 1896.	172	78	29.	11.5	20.5	Skin & skull,
3872	♂ ad.	63368	" " do	"						"
3873	♂ ad.	63369	" " do	"						"
3874	♀ ad.		" " do	April 9, 1896.						Skin & skull.
3875	♀ ad.		" " do	"						Alcoholic.
3876	♂ ad.		Adelonycterus fuscus. Ft. Myer. Va.	July 20, 189[illegible]						Alcoholic. Eptesicus fuscus.

Col. Barlow furnished :—
3 sacks barley 255 lbs.
2 bales hay 350 "
Loaned Col Barlow :—
105 lbs. barley
210 " hay.

No.	Date 1893 July	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
√9433	18	Melanerpes formicivorus aculeatus	♂ ad.	Mt. Huachuca, Arizona	211	428	135	77				Iris white. Summit of Mt. Divide
√9434	22	" " "	♂ ad.	do								
√9435	22	Aphelocoma sieberi arizonae	♂ juv.	do								
√9436	22	Parus wollweberi	♂ juv.	do								
√9437	22	Sitta c. aculeatas	♀ juv.	do								
√9438	22	" " "	♂ ad.	do	152	290	97	55	18	18	21.5	
√9439	22	Tachycineta thalassina	♂ ad.	do	132	317	120	52	6.	11	14.5	
√9440	22	Contopus richardsoni	♀ ad.	do	154	264	184	67	13	13.5	12.7	
√9441	22	Habia melanocephala	♂ ad.	do	208	329	104	86	20	24	25	
√9442	22	Tyrannus vociferans	♂ ad.	do	233	417	131	101.	20	20	22	
√9443	24	" "	♀ ad.	do	224	400	126	95	20	19	20	
9444	24	Tachycineta thalassina	♀ juv.	do								
9445	24	" "	♀ juv.	do								
9446	25	Ant[illegible]tomus?	♀ juv.	do	248	480	165	122	9.5	15	21	Caught in Hospital Ward at night. When living showed [illegible] "pornis"?
√9447	29	Ardea virescens	♂ ad.	San Pedro River, Sonora, Mex. Just south of International Line.	505	760	210	85	60	55	58	Iris chrome yellow, feet olivaceous green above & yellow below.
√9448	29	Pyrocephalus rubineus mexicanus	♂ ad.	do	208	333	107	91	20.3	20	20	Are these not measurements of No. 9721, p. 214?
√9449	29	" " "	♂ ad.	do	155	270	84	68	12.5	16.2	16	
√9450	29	" " "	♀ ad.	do								
9451	29	" " "	♀ ad.	do	150	253	80	62	12.5	15	14	
√9452	29	Tyrannus vociferans	♀ ad.	do	228	400	125	98	20	19	20.5	
9453	29	" "	♂ ad.	do	232	424	136	99	19.3	19	19.5	
9454	29	Sayornis nigricans	♀ juv.	do								
9455	29	Myiarchus cinerascens	♀ ad.	do								
9456	29	Chondestes g. strigatus	♀ ad.	do	166	267	85	67	13.2	20.5	20	
9457	29	Vireo [illegible]locki	♀ juv.	do								
9458	29	" "	♀ juv.	do								
9459	30	Zenaidura macroura	♂ juv.	do	A sick bird found nearly dead.							
9460	31	Colaptes yellow-shafted	♀ ad.	Huachuca Mts., Arizona	330	543	170	125	37	26	31	~~Iris yellow~~
9461	31	Junco cinereus palliatus	♀ ad.	do	170	250	80	77	13	22	22	Iris yellow
9462	31	Card~~onetta~~ellina rubrifrons	♂ ad.	do	143	215	72	64	9.7	19	14	
9463	31	Cardellina "	♂ juv.	do								
9464	31	Dendroica auduboni	♀ juv.	do								
9465	31	Empidonax	♀ juv.	do								A yellow bellied species
9466	31	Cyanocitta stelleri macrolopha	♂ juv.	do								
9467	31	" " "	♀ juv.	do								
9468	Aug 6	Selasphorus rufus	♂ ad.	San José Mts., Sonora	95	107	38	29	17	—	—	altitude 6000 feet.
√9469	7	Columba fasciata	♂ ad	do	370	630	220	155	19	29	39	Iris pink, dusk, yellow — tricolored. S[illegible] Parent; nest & egg taken. Egg 28 X 39.8
9470	7	Setophaga picta	♀ ad.	do								Molting; not measured.

No.	Date 1893 Aug	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
9471	7	Cardellina rubrifrons	♂ ad.	San José Mts, Sonora	140	212	68	64	10.5	17.5	14.5	
9472	7	" "	♀	do	134	204	64	62	10	18	14	
9473	7	Dendroica graciae	♂	do	135	207	68	61	10.5	16.5	15	
9474	7	" "	♀	do	125	190	61	54	10.5	15.5	14	
9475	7	Peucaea ruficeps boucardi	♀ ad	do	160	207	63	70	14	20.5	19	Parent of No. 9476.
9476	7	" " "	♂ juv.	do								Progeny of No. 9475.
9477	7	Contopus richardsonii	♀ ad	do	154	252	78	64	13	12.5	12.5	
9478	7	Sitta pygmaea	♀ im.	do								
9479	7	" "	♂ im.	do	117	212	67	38	13.7	17	15.2	
9480	7	" "	♂ ad.	do	111	206	65	38	13	17	15.2	
9481	8	" "	♂ ad.	do	115	211	67	38	13	17	15.4	
9482	8	Certhia f. mexicana ×	♀ ad.	do	×132	182	79	64	13.3	14	15.	
9483	8	Polioptila caerulea	♂ ad	do	121	271	53	54	10	18	12	
9484	8	Myiarchus l. olivascens	♂ ad.	do	150	227	69	66	12	19	15.3	
9485	8	Empidonax (yellowish)	♂ ad.	do	143	220	68	63	12	17.5	13	
9486	8	"	♀ ad.	do	147	217	68	61	11.2	18	14	
9487	8	Junco cinereus palliatus	♂ ad.	do	173	262	84	80	13	22	21.5	Iris yellow. Max. blk, mand. yell.
9488	8	" "	♀ juv.	do								
9489	8	Peucaea ruficeps boucardi	♀ ad.	do	155	218	68	70	12	20	19	
9490	8	" " "	♂ juv.	do								
9491	9	Selasphorus platycercus	♀ ad.	do	106	124	46	35	19	—	—	
9492	9	Pipilo maculatus megalonyx	♂ ad.	do	222	288	93	113	15.7	28	27.5	Snigri ?
9493	9	Vireo gilvus swainsoni	♀	do	140	215	6.7	50	11.	18.3	15.	
9494	9	" " "	♀	do	136	216	67	51	10.2	17	15	
9495	9	Dendroica graciae	♂ ad.	do	131	207	68	56	10.5	17	14	
9496	9	" "	♀ juv.	do								
9497	9	Dendroica nigrescens	♂ ad.	do								
9498	9	Setophaga picta	♂ juv.	do								
9499	10	" "	♀ ad	do	145	219	70	68	9.5	16.5	15.5	Iris hazel; bill & feet black.
9500	10	Selasphorus platycercus ?	♀ ad.	do	107	125	51	33	22	[illegible]		
9501	10	" " ?	♀ juv	do	102	130	50	32	19.5			
9502	10	Junco cinereus palliatus	♂ ad.	do	168	253	78	73	13	21.5	19.3	Iris yellow; bill with maxilla black, mandible mudely yellowish; feet yellowish (No. 9503) or purplish (No. 9502) brown; claws brownish black.
9503	10	" " "	♂ ad.	do	169	260	79	76	12	21	20	
9504	10	Contopus pertinax	♂ ad.	do	213	347	113	95	20	18.5	16.5	Maxilla, feet & claws, purplish black; mandible orange-yellow. A mated pair
9505	10	" "	♀ ad.	do	195	222	106	89	18	16.5	15.	
9506	10	Empidonax (yellowish)	♂ ad.	do	148	226	69	62	12.5	17	15	
9507	10	" "	♂ ad.	do	152	228	71	66	12.5	17.5	14	
9508	10	Melanerpes f. aculeatus	♂ ad.	do	240	450	143	86	27	30.5	25.5	Mated pair; Killed same shot.

No.	Date 1893 Aug.	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9509	10	Melanerpes f. aculeatus	♀ ad.	San José Mt., Sonora	232	443	138	80	26	21	25	
9510	11	" " "	♀ ad.	do	234	443	143	92	24	22	24	Iris pinkish white.
9511	11	Falco s. deserticolus.	♂ juv.	do								Stomach contained grasshoppers.
9512	11	Cyanocitta s. macrolopha	ad.	do	300	435	143	128	28	41	31	
9513	11	Piranga ludoviciana	♂ ad.	do	194	308	99	76	16	20.5	20.	
9514	11	Empidonax hammondi?? ×	♂ ad.	+ do	×145	229	72	64	10.3	16	13.3	
9515	11×	Sitta pygmaea	♀ ad.	do	=110	205	64	35	13	16.5	16.5	
9516	11	Certhia f. mexicana	♂ ad.	do	136	193	65	65	15	15	15.5	
9517	11	" "	♀ juv.	do	123	181	61	60	12.5	13	14	
9518	11	Thryothorus b. bairdi	♀ ad.	do	136	188	58	58	14	18	17	
9519	11	Cardellina rubrifrons	♀	ad.	140	214	67	63	10.3	17.5	14	
9520	13	Mimus polyglottos	♂ ad.	Dutch Charley's Ranch Monument No. 88	260	364	116	129	18.3	22.5	28	
9521	13	Pyrrhuloxia s. beckhami	♀ juv.	do								
9522	13	Tyrannus verticalis	♂ juv.	do								
9523	13	Calamospiza melanocorys	♂ ad.	do	179	292	87	70	15	25	23	
9524	13	Spizella breweri	♀ ad.	do	135	195	61	65	9	16.5	16	
9525	13	Peucaea cassini	♂ ad.	do	156	219	65	68	13	21	20	
9526	13	" "	♂ ad.	do	155	213	64	71	12.8	20	18.5	
9527	13	" "	♂ ad.	do	160	220	67	73	12.2	21	19	
9528	14	Stelgidopteryx serripennis	♀ juv.	do	Young of the year; not measured.							Species common
9529	15	Peucaea cassini	♂ ad.	Niggerhead Mt., M. B. L.	163	220	67	72.	12.5	21	21	Bill with maxilla brownish black; man- Iris hazel. -dible bluish gray; feet
9530	15	" "	♂ ad.	do	156	213	64	70	12.8	19	19	brownish flesh-color
9531	15	Salpinctes obsoletus	♂ ad.	do	149	226	72	55	16	20.5	19	
9532	15	" "	♀ ad.	do	148	222	73	58	17	20	19	
9533	16	Callipepla squamata	♂ ad.	do	273	407	124	97	12	30	33	Foot + tail only, preserved.
9534	16	Bubo virg. subarcticus	ad.	do	510	1300	370	220	28.5	61	65	Head shot nearly off by a soldier
9535	17	Guiraca caerulea	♂ im.	San Bernardino Ranch								Mated; singing; very shy.
9536	17	[illegible] s. bairdi	♀ juv.	do								
9537	17	Guiraca caerulea	♀ ad.	do	186	285	90	73	19	21	23	
9538	17	Peucaea cassini	♂ ad.	[illegible]	167	[illegible]	68	73	13	22	20.5	Iris hazel. Bill plumbeous; [illegible] above; feet brownish flesh-color
9539	17	[illegible]tonax	♂ ad.	San Bernardino Ranch.	153	231	72	62	11.8	17	15	
9540	17	Amphispiza bilineata	♂ ad.	do	151	225	69	70	13	20	18	Singing.
9541	17	Contopus richardsoni	♀ juv.	do								
9542	17	[illegible]	♀ juv.	do								
9543	19	Gallinago delicata	♀ ad.	San Bernardino Ranch.	285	438	135	64	68	31	36	The only one thus far seen this summer
9544	20	Ardea herodias	♀ juv.	do	Presented by Señor Savin (Photographer)							Stomach contained 2 small turtles (one in alcoh.) + a quantity of dragon-flies
9545	21	Buteo borealis calurus	♀ juv.	do	580	1320	412	270	25	92	58	Stomach contained 32 large, yellowish caterpillars.
9546	21	Amphispiza bilineata	♀ ad.	do	140	207	62	62	11.8	19	17	Parent nest + 4 eggs.

No.	Date 1893 Aug.	Name	Sex and age.	Locality.	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
9547	21	Melanerpes uropygialis	♀ ad.	San Bernardino Ranch								
9548	21	" "	♂ ad.	do								
9549	21	" "	♂ ad.	do								
9550	21	Dendroica ae. sonorana	♀ ad.	do								
9551	21	Geothlypis macgillivrayi	♀ ad.	do								
9552	21	Auriparus flaviceps	♀ juv.	do								
9553	23	" "	♀ juv.	do								
9554	23	Anas carolinensis	♂ im.	do	378	615	188	84	37	33	44	
9555	23	Zenaidura macroura	♂ ad.	do	307	475	158	150	14.4	22	27	
9556	23	Lanius l. excubitorides	♀ ad.	do								Molting. Crying like a Blue Jay.
9557	23	Dendroica ae. sonorana	♂ ad.	do	128	200	63	51	10	19	15	
9558	23	" " "	♀ ad.	do	133	200	64	51	11	19.7	15.4	
9559	23	Sylvania pusilla	♀ ad.	do								
9560	23	Empidonax	♀ ad.	do	154	230	140	60	10	19	17	
9561	23	Spizella socialis arizonae	♂ ad.	do								
9562	23	Sayornis nigricans	♀ juv.	do								
9563	23	Phainopepla nitens	♂ ad.	do								
9564	23	Totanus solitarius	♀ ad.	do	225	440	143	63	32	35	32	Shot by Señor Sevin (Photographer)
9565	26	Melanerpes uropygialis	♂ ad.	Hall's Ranch, Guadalupe Cañon.	249	425	127	90	28	21	28	The most Eastern locality where noted,
9566	31	Iache latirostris	♂	Guadalupe Canon, near Mon't. 72.	104	132	52	33	21	—	—	Shot in a cedar grove in canon.
9567	31	Aphelocoma sieberii arizonae	♀ ad.	do								Molting.
9568	31	Piranga rubra cooperi	♂ ad.	do								Molting.
9569	31	Vireo gilvus swainsoni	♀ ad.	do	137	220	69	51	10.2	18	14.5	
9570	31	Dendroica nigrescens	♀ ad.	do	130	200	64	53	10.3	18	14.	
9571	31	Helminthophila luciae	♂ ad.	do	122	194	61	50	11	16.5	14	Stomach contained a large catterpillar, numerous grasshoppers + a lizard.
	Sept.											
9572	3	Speotyto cunicularia hypogaea female	♀ im.	San Luis Springs, Chihuahua.								
9573	3	Anas cyanoptera	♂ im.	do								
9574	3	Otocoris alpestris adusta	♀ -	do								
9575	4	Piranga hepatica	♀ im.	San Luis Mts., Chihuahua.								A few stripes ~~of~~ on belly.
9576	4	Setophaga picta	♀ ad.	do	142	214	68	67	10.5	16	14	Iris dark brown; bill + feet, black.
9577	4	Merula migratoria propinqua	♀ ad.	do								Molting.
9578	6	Columba fasciata	♂ ad.	do	x 386	660	218	156	18	27	x 37	Parent + very young nestling. Nest in Pinus edulis, on mountain ridge, at altitude 7500 feet (aneroid). Nest well built of twigs, about 10 feet above ground. Parent dropped to the ground + fluttered along like Zenaidura
9579	6	" "	♀ pullus	do								
9580	6	Parus meridionalis?	♀ ad.	do	163	212	68	62	9	18	15	Shot at alt. 8300
9581	6	" "	♂ ad.	do	140	220	71	67	9	18	15	"
9582	6	Dendroica townsendi?	♂	do	133	201	65	55	10.5	18.5	17	Shot at alt. 775[illegible]. Claw 6.3
9583	6	" "	♀	do	130	200	64	51	10	18	15	" 8500 " Claw 4.3
9584	6.	Selasphorus platycercus	♀	do								Shot at alt. 8200

No.	Date 1893 Sept	Name	Sex and age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9585	6	Aphelocoma s. arizonae	♂	San Luis Mountains								
9586	6	Melanerpes f. aculeatus	♀ juv.)	do								
9587	6	" "	♀ ad.	do	236	438	139	89	25	21	23	
9588	6	Geothlypis macgillivrayi	♀	do								
9589	6	Thryothorus ~~Thryo...~~ b. bairdi	♂ ♂.	do								
9590	6	Spizella socialis arizonae	♀ ad.	do								
9591	6	Parus wollweberi	♀ juv.	do								
9592	6	Empidonax hammondi	♀ ad.	do								
9593	6	" "	♀ ad.	do								
9594	6	Piranga ludoviciana	♀ juv.	do								
9595	6	Setophaga picta	♂ ad.	do	149	229	73	67	10	17	17	
9596	8	Ceryle americana septentrionalis Sharpe ~~cabanisi~~	♂.	Cajon Bonito, Creek at forks	215	300	85	66	39	10	18.5	alt. 4900 feet (aneroid) forks of Creek
9597	8	Fulica americana	♀ ad.	Animas Valley, Mex. Bd. Line.	376	640	184	63	31	52	78	One of a flock of about 20 from a rain lake near monument No. 67.
9598	13	Buteo swainsoni (Presented by Señor Servin White Water)	♀ ad.	White Water (Mont No. 61).	525	410	220	290	22	69	57	Stomach (crop) contained half of Dipodomys merriami and 1 grasshopper. Lower stomach the other half of Dipodomys, several grasshoppers + 1 caterpillar. Presented by Señor Louis R. Servin
9599	13	Selasphorus or Stellula	♂ juv.	do								
9600	13	Ammodramus bairdii	♀ ad.	do	135	230	70	50	11.7	21	20.3	
9601	13	" "	♀ ad.	do								Molting badly; no tail
9602	13	" "	♀ ad.	do								do
9603	13	Otocoris a.	♂ ad.	do	178	334	105	76	11.8	21	17.5	
9604	13	Sturnella mexicana	♂ ad.	do	245	405	122	73	34	41	37	One of a pair with young just leaving nest.
9605	16	Campylorhynchus brunneicapillus (Dog Spring (monument No. 55.))	♂ ad.	Dog Springs, N.M. Mont No. 55.	213	292	92	85	22	28	26.5	
9606	16	" "	♂ juv.	do	208	283	87	83	20	27	25	
9607	17	Spizella breweri	♀ ad.	do								
9608	17	Spizella s. arizonae	♂ im.	do								
9609	17	* " " " *	♀ juv.	do	*							
9610	17	× Peucaea cassini?	♂ ad.	× do	×154	214	65	69	12.6	20	17.5	Iris hazel. Bill, with maxilla dusky brownish, mandible and feet, flesh-color.
9611	17	Accipiter velox (Stomach contained Spizella breweri.)	♂ juv.	do	295	546	176	155	9	46	35	Iris greenish yellow. Bill blue-black, plumbeous at base of mandible; feet greenish yellow; claws black.
9612	18	Campylorhynchus brunneicapillus	♀ ad.	do								Preserved in alcohol. Caught in cyclone mammal trap.
9613	19	" "	♀ ad.	do								do do
9614	19	Scolecophagus cyanocephalus	♂ ad.	do								
9615	21	Speotyto c. hypogaea	♀ ad.	do No. 9616	271 240	438 613	140 175	113 90	22 14.5	33 44	30.5 27	Presented by Señor Louis R. Servin. (No. 9616 above - meas.) do Stomachs contained
9616	21	" " "	♀ ad.	do No. 9615	248	627	180	90	15	48	30	(No. 9615 below. ") do grasshoppers.
9617	23	Colaptes cafer	♀ ad.	do								Feeding on berries.
9618	23	Speotyto c. hypogaea	♀ ad.	Playas Valley, Mex. Bd. Line	250	630	180	90	15	48	30	Stomach contained grasshoppers.
9619	24	Callipepla squamata	♀ ad.	San Luis Pass, N. Mex								
9620	24	" "	♀ ad.	do								
9621	24	Aquila chrysaëtos	♀ im.	San Luis Spring. Monument No. 66	880	2200	665	400				Shot on old adobe hut. Tail mixed with whitish at base. Stomach contained a Prairie Dog and dozens of their incisor teeth.
9622	25	Falco s. deserticolus	♀ ad.	W. side San Luis Mts.	287	615	300	146	17.5	39	30	Preserved in alcohol.

No.	Date 1893 Sept	Name.	Sex and age.	Locality.	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
9623	25	Cathartes aura ~~Catharista atrata~~	♂ juv.	W. side San Luis Mts.	660	1660	515	280	48	64	85	stomach filled with beef carrion
9624	25	Melanerpes f. aculeatus	♂ ad.	do	233	435	135	86	23	21	25	Preserved in alcohol.
9625	25	Spizella breweri	ad.	do								do
9626	25	Parus wollweberi	ad.	do								do
9627	25	Sitta c. aculeata	♂ ad.	do	154	290	93	53	21	16.5	21	
9628	25	Vireo s. cassinii	♀ ad.	do	146	240	77	59	10.5	19.3	16.5	
9629	25	Geothlypis macgillivrayi	♀ ad.	do								Preserved in alcohol.
9630	25	Empidonax	♀ ad.	do	146	230	72	61	10.5	16.5	13	
9631	26	Aphelocoma s. arizonae ~~Cyanocephalus cyanocephalus~~	♀ ad	do	225	515	170	154	26.5	42	34	
9632	26	Pipilo chlorurus	ad.	do								Preserved in alcohol.
9633	26	Pooecetes gram. confinis	im.	do								do
9634	26	Spizella s. arizonae?	im.?	do								do
9635	26	Melanerpes f. aculeatus	♂ ad.	do	239	450	138	93	23	21.5	25.5	do
9636	27	Urubitinga anthracina	♀? ad.	Pajon Bonito Creek, Chihuahua.	554	1280	403	254	29	83	63	Stomach contained ~~catfish + suckers~~
9637	27	Pandion h. carolinensis	♀? ad.	do	595	1720	514	263	35	59	45	Stomach contained catfish + suckers.
9638	27	Columba fasciata	♂ ad.	do	400	633	210	161	20	28	39	
9639	27	Ceryle alcyon	♀ ad.	do	343	545	165	100	52	14	26	
9640	28	Melanerpes uropygialis	♂ ad.	do	260	433	138	100	30	23	27	
9641	28	Pipilo fuscus mesoleucus	♂ ad.	do	230	325	103	115	16.4	26.5	25	
9642	29	Harporhynchus palmeri	♀	W. side of San Louis Mts.								
9643	29	Accipiter velox	♀ juv.	do	×350	655	210	182	13	57	46	
9644	29	Dryobates villosus hyloscopus	♀ ad.	do	220	390	123	82	25	21	22	
9645	29	Dryobates scalaris bairdi	♀ ad.	do	186	340	105	72	20	18.5	19	
9646	29	Turdus aonalaschkae	♀ ad.	do	183	305	98	75	14.5	31	23	
9647	29	Sialia mexicana	♂ ad.	do	176	332	112	72	11	20	20	
9648	29	" "	♀ im.	do								
9649	29	Parus meridionalis	♂ ad.	do	132	212	68	61	9.2	17	14	
9650	29	" "	♀ ad.	do	133	203	65	61	9.4	17.5	14.5	
9651	29	" "	♂ ad.	do	136	217	70	64	9.7	19	14.6	
9652	29	Setophaga picta	♀ ad.	do	141	214	69	63.	10	16.5	15	
9653	29	Geothlypis trichas occidentalis	♂ juv.	do								
9654	29	Selasphorus platycercus?	♀	do	99	118	48	29	17.5			
9655	29	Corvus corax sinuata	♂ ad.	do	660	1335	445	285	69	64	64	
9656	29	Catharista aura	♀ ad.	do (Shipment No. 67)	[illegible]	1780	[illegible]	[illegible]	[illegible]	7[illegible]	[illegible]	Foot, only, preserved.
9657	30	Totanus melanoleucus	♀ ad.	Animas Valley, Chihuahua (Mon[illegible]	338	617	192	82	55	55	36	
9658	30	Macrorhamphus scolopaceus	ad.	do	303	492	154	70	70	42	33	
9659	30	Anas cyanoptera!	♀ ad.	do	407	645	192	87	44	33	45	Not skinned.
9660	30	Aphelocoma s. arizonae	♂ ad.	San Luis Mt. W. side	331	507	165	153	26.5	41	34	

No.	Name	Date (1893)	Sex	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe + claw	Remarks
9661	Otocoris a. adusta	Sep. 30 93	♂ ad.	Animas Valley, Chihuahua, Mex. Monument #67	176	331	112	78	10.7	20	19	
9662	Stellula calliope	Oct. 1	♂ ad.	W. side of San Luis Mts.	93	108	42	27	16			
9663	Empidonax fulvifrons	"	♂ ad.	do	141	214	66	60	10	15	14	
9664	Sphyrapicus v. nuchalis	"	♀ ad.	do	226	415	135	93	24	21	22	Throat red, like male.
9665	Aphelocoma s. arizonae	"	♀ ad.	do	325	500	163	160	28	40	35.5	
9666	Xanthocephalus xanth.	"	♂ ad.	San Luis Spring monument No. 66.	280	453	152	120	23	34	38	
~~9667~~	~~Scolecophagus cyanoceph.~~	"	♂	do								
~~9668~~	~~" "~~	"	♀	do								
9669	Scolecophagus cyanoceph.	"	♀	do	235	344	123	96	21	32	28	
9667	Catharista atrata ?? (Aura) Foot only preserved	"	? juv.	W. Side San Luis Mts.	700	1770	520	310	with cere 55 25	67	90	Iris grayish brown. Bill blackish feet flesh color with tips of toes & claws blackish
9668	Accipiter cooperi	Oct. 2	♀ juv.	Guadalupe Cañon, Mex. Bd. Line	480	840	265	250	17	64	35	Stomach contained Falco s. deserticolus. Iris, yellow. Had just killed Col. cafer.
9670	Harporhynchus palmeri	2.	♀	West Side San Luis Mts.					30	34	31	Moulting
9671	Falco s. deserticolus	2	♂ ad.	do	[illegible]	595	197	148	11	37	30	Stomach contained only grasshoppers.
9672	" " "	2	♀ ad.	do	283	620	210	148	12.3	34	30	
9673	Colaptes cafer	2	♂ ad.	Guadalupe Cañon, Mex. Bd. Line	318	515	165	128	32.5	27	31	Captured by Cooper's Hawk (No. 9668) Red nuchal patch like auratus
9674	Otocoris a. adusta x	2	♂ ad.	Animas Valley, Mex. Bd. Line x	179	336	108	78	11	21	19	
9675	~~Passerculus~~ Ammodramus bairdii	2	♂ ad.	do	147	244	74	56	11.3	21	21	Iris, hazel, bill with maxilla brown, mandible flesh-color, feet flesh-color, claws pale purplish brown
9676	" "	2	♀ ad.	do	139	237	72	56	11.2	20.5	19	
9677	" "	2	♀ ad.	do	131	231	70	53	11.3	20.5	19.5	Moulting badly
9678	Accipiter cooperi	3	♀ juv.	Hall's Ranch, Guadalupe Cañon.	470	800	253	238	18	68	54	Iris yellow. Stomach empty. Leg, only, preserved (badly shot.)
9679	Colaptes cafer	3	♀ ad.	do	312	520	166	120	32	25	29	
9680	Melanerpes uropygialis	3	♂ ad.	do	250	430	133	95	28	23	28	
9681	Zonotrichia l. intermedia	3	im.	do								
9682	Himantopus mexicanus	4	♀	San Bernardino River, Sonora.	340	655	208	75	56	96	42	Length to end of claws 485. Md. Tib. to end of toes 252
9683	" "	4	♂ im.? ~~ad.~~	do	352	667	210	72	57	100	45	" " 555 " " 260
9684	Melanerpes uropygialis	4	♀ ad.	Guadalupe Cañon, Sonora	232	409	126	79	24	22	27	
9685	" "	4	♂ ad.	do	260	438	135	99	29	23.5	27.5	
9686	" "	4	♂ ad.	do	263	442	138	101	30	23	28	
9687	Ammodramus s. perpallidus	4.	♂ ad.	do	135	216	66	50	11.7	19.5	19.5	
9688	Peucaea	4.	♂	do	160	218	67	71	13.3	22	20	
9689	Icterus c. nelsoni	4.	♂ ad.	do	218	285	94	102	20.5	24	22.5	
9690	Piranga ludoviciana	4.	♀ ad.	do	182	286	92	73	15.5	21	20	
9691	Helminthophila celata	4.	♀ ad.	do	106	183	58	50	10	17.3	14.5	
9692	Regulus calendula	4.	♀	do								
9693	Tyrannus vociferans	4.	♂ ad.	do.	237	417	133	102	20	19.5	20.5	
9694	Ceryle alcyon	4	♂ ad.	San Bernardino River, M. B. L.	340	565	165	106	50	12.2	24	
9695	Anas cyanoptera	5	♀	do	390	645	193	86	42.5	32	43	Not skinned.
9696	Botaurus lentiginosus	5	♂ ad.	do	675	108[illegible]	295	100	76	93	101	

No.	Date 1893 Oct.	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9697	4	Aquila chrysaetos	♀ ad.	San Bernardino River, Sonora	900	2225	665	400	41	106	109	Culmen + cere, 56; cere, 19; tip of bill to centre of pupil, 77; to occiput, 123. Iris yellowish brown. Cere, mustax and tomia light greenish yellow. Bill pale greenish gray at base, blue-black at tip. Claws 1st (hind) 56.5; 2d, 48.5; 3d, 37; 4th, [illegible]
9698	4	Cathartes aura?	♀ juv.	Guadalupe Cañon, N.M.	630	1675	510	290	22	63	84	
9699	4	Plegadis guarauna	♀ juv.	San Bernardino River	503	905	256	97	92	86	75	
9700	4	" "	♀ juv.	do	503	900	252	102	95	83	73	
9701	4	" "	♂ juv.	do	570	950	262	108	122	103	84	
9702	4	" "	♀ juv.	do	508	917	258	107	92	89	76	
9703	4	" "	♀ juv.	do	517	910	262	100	109	85	76	
9704	6	Gallinula galeata	♀ ad.	do	330	553	173	77	without cere 28	51	72	Culmen + cere, 36 mm.
9705	6	" "	♀ juv.	do	338	540	165	74	with cere 30.5	51	72	
9706	6	× " " ×	♀ juv.	× do	+							
9707	6	Sayornis saya	♂ ad.	do								
9708	7	Harporhynchus crissalis	♂	do								Feeding on mesquite-mistletoe
9709	7	Peucaea cassini?	♀ ad.	Sulphur Spring Valley								
9710	7	Peucaea arizonae	♀	do								
9711	7	Phainopepla nitens	♂ ad.	do								
9712	7	Cistothorus palustris paludicola	♀ ad.	San Bernardino River								
9713	7	Geothlypis t. occidentalis	♂ juv.	do								
9714	7	Ammodramus s. alaudinus	♂ ad.	Sulphur Spring Valley								
9715	7	" " "	♀ ad.	do								
9716	7	Poocaetes g. confinis	♂ ad.	do								
9717	5	Plegadis guarauna	♂ juv.	San Bernardino River								
9718	5	" "	♀ juv.	do								
9719	5	" "	♀ juv.	do								
9720	5	Chordeiles texensis	♀	do								
9721	July 29 1893	Piranga cooperi	♂ ad.	San Pedro River, Sonora	208	333	107	91	20.3	20	20	See under No. 9448 page 200
9722	Oct. 17	Colaptes cafer	♂ ad.	Huachuca Mts., Arizona	340.	553.	180.	135.	40.	28	30.5.	
9723	17	Dryobates villosus hyloscopus	♂ ad.	do	227	400	126.	82	26.	23.	24.	
9724	17	Sitta pygmaea	♂ ad.	do	112	210	68.	57.	13.	15.	17.	
9725	17	Sitta c. aculeata	♂ ad.	do	151	282	94.	55.	22	17.5.	20	
9726	17	Cyanocitta s. macrolopha	♂ ad.	do	314	460	148.	138.	29	41	33.	
9727	17	" " "	♀ ad.	do	301	442	144	138	27	40	31.	
9728	17	Myadestes townsendii	♂ ad.	do	220	357	120	108	12	21	23	
9729	20	Aythya americana	♂ juv.	Santa Cruz, Sonora								
9730	20	Aythya collaris	♀ ad.	do								
9731	20	Gallinago delicata	♂	do								
9732	20	Rhynchophanes maccownii	♀	do								
9733	20	Ammodramus s. alaudinus	♀	do								

No.	Date Oct. '93	Name	Sex & Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks
9734	18	Cyanocitta s. macrolopha	♂	Huachuca Mts., Miller's Cañon								
9735	18	" " "	♀	do								
9736	18	" " "	♀ juv.	Cienega, Barbacomari Creek.								
9737	18	" " "	♂	do								
9738	19	" " " +	♀	+ do	+							
9739	19	" " "	♀	do								
9740	18	Sphyrapicus v. nuchalis	♂ ad.	Miller's Cañon, Huachuca Mts.								
9741	18	" "	♀ ad.	do								
9742	18.	Empidonax fulvifrons	♀ ad.	do								
9743	(18)	Icterus parisorum	♂ ad.	do								Dessicated; hanging in peach orchard for a scarecrow.
9744	21	Dryobates s. bairdi	♀ ad.	Town of Santa Cruz, Sonora.	180	326	102	72	19	17	18.5	
9745	22	Sayornis saya	♂ ad.	do	198	343	110	88	13	20.5	17	
9746	22	Spizella s. arizonae	♀ ad.	do								
9747	22	" " "	♀ juv.	do								
9748	22	Tyrannus vociferans	♂ im.	do								
9749	23	" "	♂ ad.	Santa Cruz River, Sonora	232	418	131	102	18,5.	20	21	
9750	23	Falco s. deserticolus	♂ ad.	do	273	587	194	146	12,3	35.	32.	
9751	23	Melanerpes uropygialis	♀ ad.	do	243	415.	130	95.	26,5.	22.	26,5.	
9752	23	Melanerpes f. aculeatus	♂ ad.	do	240	398	146	93.	26,5.	21	24	
9753	23	Corvus corax sinuatus	♀ ad.	do	625	1240	405	253	68	67	68.	Length of Bill at base 28.
9754	23	Geococcyx californianus	♂ juv.	do	612	565.	190	325	48	64	45.	Molting.
9755	24.	Sphyrapicus v. nuchalis	♂ ad.	do	218	396	128	84	23	21	22	~~Length of Bill at base 28.~~
9756	24	Buteo b. calurus	♂ juv.	Santa Cruz River, Sonora	520	1220	375	235	23	80	65	Shot with rifle. (H. [illegible] of J. W.)
9757	25.	Zenaidura macroura	♀ ad.	Nogales, Sonora	320	460	156	156	15	21	27	
9758	25	Colaptes cafer	♀ ad.	do	320	530.	167	130.	34	29	33.	
9759	25	Melanerpes f. aculeatus	♂ ad.	do	243	460.	147	90	25	21	24	
9760	25	" " "	♂ ad.	do	240	456	147	90	26	21,5	26	
9761	25	" " "	♀ ad.	do	241	453	143	92	23.	20	24	
9762	25	" " "	♀ ad.	do	240	455	144	92	24	20,5	24,5.	
9763	25	Pooecetes g. confinis	♂ ad.	do	170	279	86	74	12.	22	20	
9764	25	" " "	♂ ad.	do	162	270	84	68	11,8	22	20	
9765	25	Spizella s. arizonae	♀ juv.	do								
9766	25	" " "	♂ juv.	do								
9767	25	Parus wollweberi	♀ ad.	do	130	202	63	60	8	16,3	15	
9768	26	Junco cániceps	♂ ad.	do	161	245	78	77	12	20	18.	Iris hazel
9769	26	Salpinctes obsoletus	♀ (ad.)	do								
9770	26	" "	♂ ad.	do	155	238	74	59	20	22	19	
9771	26	Pipilo m. megalonyx	♂ ad.	do		288	91	114	14	29	28,5.	iris orange red. claw hind 10 Hallux 13.
9772	26	Spizella s. arizonae	♂ juv.	do								

No.	Date 1893 Oct.	Name	Sex and age	Locality	Length	Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
9773	27	Aphelocoma s. arizonae	♂	Nogales, Sonora.	336	520	168	155	29.5	44	37	
9774	27	Sphyrapicus v. nuchalis	♂	do	212	396	129	86	21	21.5	22.5	
9775	27	Zonotrichia intermedia	♀ ad.	do	171	245	79	77	11.7	23.5	22.5	
9776	27	Phainopepla nitens	♂ juv.	do	184	286	89	86	11	17	18	
9777	28	Merula m. propinqua	♀ ad.	nr. Tubac Ruin (Tumacacori) At Santa Cruz Riv. Ariz.	270	425	137	111	20	33	28	
9778	28	Columbigallina p. pallescens.	♂ ad.	do	174	278	89	66	12	16	18.5	
9779	28	Sphyrapicus v. nuchalis	♀ ad.	do	220	400	128	86.	22	21	22	
9780	29	Callipepla gambeli	♂ ad.	20 m. S. of Tucson, on Santa Cruz R.	290	383	120	113	11	33	38.	
9781	29	Pipilo m. megalonyx. mesoleucus	♂ ad.	do.	N.	M.						
9782	Nov. 5	Accipiter cooperi	♂ juv.	Tucson, Arizona	Stomach contained Harporhynchus palmeri & Zonotrichia.							
9783	10	Sturnella	♀ ad	Fort Lowell, Arizona	237	382	118	78	28	40	33	Skinned by H. X. H.
9784	10	Polioptila plumbea	♀	do	121	156	48	53	11	17	12	do
9785	10	" "	?	do	121	161	50	55	11	19	12	do
9786	10	Spizella breweri	♂	do	138	200	63	65	9	18	17	do
9787	10	Scardafella inca.	♀ ad.	Tucson, Arizona.	210	284	91	98	12.8	16	20.	Iris pink, varying to yellowish in different specimens. Bare space around eye greenish gray; edge of eye-lid pale yellow. Bill black, gray at base. Feet flesh-color, more or less pinkish or brownish in different examples.
9788	10	" "	♂ ad.	do	210	290	91.	97	13	17	21.5	
9789	10	" "	♂ ad.	do	205	287.	93	100	13.3	15	20	
9790	10	" "	♀ ad.	do	215	284	93	107	12	16	middle claws gone.	
9791	10	" "	♀ ad.	do	215	285	92	106	13	16	20	
9792	10	" "	♂ ad.	do	215	283	92	105	13	16	20	~~Toes~~ Feet decidedly brownish of anterior scutellae.
9793	10	Sitta carolinensis aculeata.	♂ ad.	do	151	280	95	55	20	16 18:	20	along the Santa Cruz River; also Certhia. Mr. Herbert Brown often sees them about here, 17
9794	10	Tyrannus vociferans	♀ ad.	do	220	386	125	92	20	18	22	
9795	10	Chondestes g. strigatus	♂ ad.	do	178	290	94	76	14	21	21	
9796	12	Junco hyemalis	♂ ad.	do	161	250	80	73	11	21	20	The only one seen.
9797	13	Harporhynchus crissalis	♂ ad.	do	309	328	100	141	34	35	31	
9798	13	Melospiza lincolni	♂ ad.	do	149	211	66	64	11.2	21	21	
9799	13	Pipilo chlorurus	♂ ad.	do	190	250	77	90	13.3	26	24	
9800	13	Ammodramus s. alaudinus	♂ ad.	do	142	234	72	53	11.	20	19.5	
9801	13	Columbagallina p. pallescens	♂ ad.	do	171	280	90	64	11	16	18	
9802	13 x	" " "	♂ ad. x	do	x 168	273	90	65	11	15.5	18	
9803	13	Pyrrhuloxia s. beckhami	♂ ad.	do	~~307~~ 222	307	98	112	15.5	26	25	
9804	13	" " "	♂ ad.	do	227	297	94	115	16	25	22.5	
9805	13	Troglodytes aëdon aztecus	♂ ad	do	126	172	51	49	13.2	17	16.	
9806	13	Corvus corax sinuatus	♀ ad.	do	590	1190	390	243	59	63	59	
9807	13	" " "	♂ juv.	do	596	1207	393	240	69	68	67	
9808	13	" " "	♂ ad.	do	618	1260	405	255	67	67	63	
9809	13	Lanius l. excubitorides	♀ ad.	do	232	323	101	103	16	26	23.7	
9810	14	Scardafella inca	♂ ad.	do	216	297	95	106	11.3	15.7	20	
9811	14	" "	♂ ad.	do	217	291	92	102	12.2	16.6	21	

No.	1893 Nov. ~~Oct~~	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Middle toe and claw		Remarks.
9812	14	Scardafella inca	♀ ad.	Tucson, Arizona	211	290	92	98	12.8	15.5	19.2	
9813	14	" "	♀ juv.	do								Young of the year. Feet darker than in adult.
9814	16	Callipepla gambeli	♂ ad.	do	286	378	118	108	12.6	32	36	These are in perfect, fresh plumage
9815	16	" "	♀ ad.	do	280	378	119	108	12	31	37	
9816	16	Pyrrhuloxia s. beckhami	♀ ad.	do	215	290	92	104	15	24.5	23	
9817	16	Zonotrichia intermedia	♀ juv.	do								
9818	16	" "	♀ juv.	do								
9819	16	Falco s. deserticolus	♀ —	do	268	590	193	140	13	36	34.3	Stomach contained grasshoppers.
9820	16	Accipiter cooperi	♂ juv.	do								Stomach contained Perdipus.
9821	16	Spizella breweri	♀ ad.	do								
9822	16	Harporhynchus palmeri	♂ ad.	do	293	352	109	129	34	32	32	Irides, orange-yellow.
9823	16	Pipilo f. mesoleucus	♂ ad.	do								
9824	16	Troglodytes aëdon aztecus	♂ ad.	do								
9825	20	Accipiter velox	♀ imm.	Ft. Lowell, Arizona.	358 (over 258)	680	215	178	12	57	47	Stomach contained entire Harporhynchus palmeri without a single feather; had been picked.
9826	20	Callipepla gambeli	♂ ad.	do	290	383	118	106	12,3.	32	35.	
9827	20	" "	♀ ad.	do	285	375	116	103	12	30	36.	
9828	20	Lanius l. excubitorides	♀ ad.	do	235	330	103	108	16.	27,5	25.	
9829	20	Anas strepera	♀ ad.?	do	480	835	250	92	41	38	51	
9830	20	Spatula clypeata	♀ ad.	do	450	740	220	84	57	37	48	
9831	20	Anas carolinensis	♂ juv.	do	370	625	187	85.	36	32	42	
9832	20	Anas boschas	♀ ad.	do	560	940	277	111	56	44	63.	
9833	20	Charitonetta albeola	♂ ad.	Silver Lake, Tucson Ariz.	373	612	176	88	29	34	58.	Shot and presented by, Mr. W. S. Read of Tucson.
9834	20	Anas boschas x	♂ ad.	Ft. Lowell, Arizona x	x							
9835	20	Anas carolinensis	♀ ad.	do								These ff. were shot & skinned
9836	20	Melanerpes uropygialis	♂ ad.	do								by Private Simon, Hosp. Corps.
9837	20	" "	♀ ad.	do								
9838	?	Urubitinga anthracina	ad.	Santa Catalina Mts, East side								Presented by, Herbert Brown.
9839	?	Micrathene whitneyi	ad.	Tucson, Arizona								do
9840	26	Asio wilsonianus	♂ ad.	Tucson, Arizona.								
9841	26	Ammodramus s. alaudinus	♀ ad.	do								
9842	26	Troglodytes a. aztecus	♂ ad.	do								
9843	26	" " "	♀ ad.	do								Left at Mr. Herbert Brown's house.
9844	26	Poocaetes g. confinis	♂ ad.	do								
9845	26	Sturnella	♀ ad.	do.								
9846	26	Columbagallina p. pallescens	♂ ad.	do								
9847	26	" " "	♀ ad.	do								
9848	29	Ægialitis montana.	♀ ad.	5 m. N. of Arivaca on a desert plain	239	487	154	71	24	37	23 23	
9849	30	Spizella arizonae	[illegible]	Warsaw Mills Ariz								
9850	30	Lophortyx [illegible] abscuritus	♂	do	150	233	71	56	17	23	18	

No.	Date	Name	Sex & Age	Locality	Length	Alar extent	Wing	Tail	Bill	Tarsus	Dg & C.	Remarks
	Dec. 1893											
9851	1	Spizella arizonae	♂ im.	Warsaw Mill Pima Co.	~~29~~	n. m.						
9852	1	Aphelocoma woodhousii	♂	Ariz nearest monument do	291	389	125	141	26	42	27	
9853	1	Sphyrapicus v. nuchalis	♂ ad.	do	220	400	130	84	23,5.	21	23	
9854	1	Aphelocoma s. arizonae	♂ ad.	do	331	506	164	152	30	43	35	
9855	1	Falco s. deserticolus	♂ ad.	do	275	592	197	137	12,5.	37	32	stomach cont. Grasshoppers & remains of Lizard
9856	1	Lanius l. excubitorides	♀ ad.	do	230	327	103	107	17	27	24	
9857	1	Colaptes cafer	♀ ad.	do	326	520	170	123	39	30	33.	
9858	1	Zenaidura macroura	♂ ad.	do	310	460	154	158	13	23	26	16 tail-feathers
9859	1	" "	♂ ad.	do	315	458	150	150	15	23	27	14 tail-feathers-
9860	1	Spizella s. arizonae	♂ juv.	do								
9861	2	Sialia arctica	♂ ad.	do	182	~~434~~ 334	117	74	13	22	20.	
9862	2	Sialia "	♂ ad.	do	190	350	119	74	13	21,3	21	
9863	2	Sialia mexicana	♂ ad.	do	170	325	108	70	12	20	20	
9864	2	Falco s. deserticolus	♀	do	275	580	196	138	12	36.	30	
9865	2	Dryobates s. bairdi	♂ ad.	do	190	340	108	68	22	19,3	21	
9866	2	×Carpodacus m. frontalis	♂ ad.	× do	×158	250	80	69	10,2	17	19	
9867	2	" " "	♀ ad.	do	158	250	79	70	11	17	19	
9868	3	Chondestes g. strigata	♂	do	174	277	90	76	13	23	20	
9869	3	" "	♀	do	168	274	89	73	13	22	20	
9870	3	Aphelocoma woodhousei	♀	do	298	402	128	139	27	43	32	
9871	3	" "	♀ ad.	do	300	400	130	148	26	38	30	
9872	3	Cyanocitta s. macrolopha	♂ ad.	do	309	470	150	138	29	43	32	
9873	3	" "	♂ ad.	do	319	467	150	143	31	43,5	34	
9874	3	" "	♂ ad.	do	328	482	155	149	30,5	43,5	33	
9875	3	" "	♀ ad.	do	310	457	148	137	29	41	31	
9876	3	" "	♀ ad.	do	308	470	149	138	27,5	44	32.	
9877	3	" "	♂ ad.	do	311	453.	145	135	30	42,5.	31.	
9878	3	Falco s. deserticolus	♂ ad.	do	270	585	195	132	12,5.	36	32	
9879	3	Sphyrapicus v. nuchalis	♂	do	216	395	130	90	21	20	21,5	
9880	3	Melanerpes torquatus	♂ im.	do								
9881	3	Melanerpes f. aculeatus	♂ ad.	do	239	450	142	90	—	21	24	
9882	3	" " "	♀ ad	do	230	450	142	90	25,5.	20	22,5	
9883	3	Chondestes g. strigata	♀ ad.	do	175	279	90	74	12,5	20	21	
9884	3	Sayornis saya	♀ ad.	do	198	342	110	87	16,5	21	18,5	
9885	3	Phainopepla nitens	♂	do	n.	m.						
9886	3	Parus wollweberi	♀	do	126	196	61	58	9	15,5	14	
9887	~~4~~	*Psaltriparus santaritae?	♀	do	115	158	51	57	7	16	12	Iris white
~~9888~~	~~5~~	~~Sialia~~										
~~9889~~	~~5~~	"										

No.	Date Dec. 1893	Name	Sex & age	Locality	Length	Ext. of wings	Wing	Tail	Bill	Tarsus	M. toe	Remarks
9888	5	Sialia mexicana	♂ ad.	Warsaw, Pima Co., Ariz. Alt 4225 feet!	180	334	112	71	11	19.5	19	
9889	5	" "	♂ ad.	do	181	339	115	74	11.3	21	20	
9890	5	" "	♂ ad.	do	175	328	109	72	12.	20.8	20	
9891	5	Sialia arctica	♂ ad.	do								
9892	5	" "	♂ ad.	do								
9893	5	Spizella s. arizonae	? juv.	do								
9894	5	" " "	♂ juv.	do								
9895	5	Pooecetes g. confinis	♀ ad.	do	165	280	87	71	12	22	20.5	
9896	5	Pipilo m. megalonyx	♂	do	219	282	88	108	15.2	27	27	
9897	5	" " "	♂	do	220	293	91	110	14.3	29	27	
9898	5	×Cyanocitta s. macrolopha×	♂ ad.	do	×314	474	150	138	30	44	35	
9899	5	" " "	♀ ad.	do	310	446	142	136	28	42	32	
9900	5	" " "	♀ ad.	do	308	455	149	135	27	42.5	33	
9901	5	" " "	♂ ad.	do	321	480	154	143	30.7	44	34.5	
9902	5	" " "	♂ ad.	do	310	470	150	140	29.5	42	33	
9903	5	" " "	♀ ad.	do	297	435	140	134	27	39	31	
9904	5	Aphelocoma woodhousei	♂ ad.	do	306	407	131	143	28	41	30	
9905	5	Aphelocoma s. arizonae	♂ ad.	do	340	538	173	152	31	47	38	
9906	5	" " "	♂ ad.	do	340	550	170	159	29	44	36	
9907	5	" " "	♀ ad.	do	338	527	169	155				
9908	5	Colaptes cafer	♂ ad.	do	346	560	177	136	37	33	33.5	
9909	5	Melopelia leucoptera	♀ ad.	do	296	488	163	112	20.5	25	30	
9910	5	Mimus polyglottos	♂ ad.	do	255	363	116	122				
9911	5	Melanerpes torquatus	♂ juv.	do								
9912	5	" "	♀ ad.	do	272	541	170	109	27	25	29	
9913	5	" "	♀ juv.	do								
9914	5	" "	♀ ad.	do	275	540	170	102	28.5	26.5	29	
9915	5	Melanerpes f. aculeatus	♂ ad.	do	237	457	143	87	24.5	23	25	
9916	5	" " "	♂ ad.	do	245	460	147	97	26.5	21.5	25	
9917	5	" "	♂ im. ~~ad.~~	do								
9918	5	" "	♂ ad.	do	236	445	142	85	26	21.5	25.5	
9919	5	" "	♂ ad.	do	239	450	140	82	25	22	23	
9920	5	" "	♀ ad.	do	230	438	135	81	26	19.5	23	
9921	5	" "	♀ ad.	do	233	450	143	90	23	20	23.5	
9922	5	Buteo borealis calurus	♂ ad.	do	547	1305	408	242	26.5	88	61	
9923	7	Lanius l. excubitorides	♂ ad.	Oro Blanco, Pima Co. Ariz.	241	337	109	112	17	30	23	
9924	7	Carpodacus fr. mexicanus	♂ ad.	do	152	263	82.	63	10,5	16,5	14	1 pair seen in a flat below or north of Oro Blanco.
9925	7	Mimus polyglottos.	♂ ad.	do	265	367	120	129	15	36	27,5	

No.	December 1893	Name	Sex & Age	Locality	Length	Wing expanse	Wing	Tail	Culmen	Tarsus	M. toe	Remarks
9926	8	Campylorhynchus brunneicapillus.	♂ ad	Road between Oro Blanco & Sturgis Ranch, Pima Co., Arz	219	290	90	89	23	30	28	heard a number of them calling from the brush near creek bottom.
9927	8	Crotophis.	♀	do (Near Buenos Ayres)	171	315	103	70	10	22	17	
9928	8	Dryobates s. bairdi ~~Sphyrapicus v. nuchalis~~.	♂ ad.	do	199	329	108	73	22	20	20	
9929	8	Ægialitis montana.	♂	do	237	481	150	69	20	41	25.	
9930	8	" "	♂	do	233	478	150	72	21	40	24	
9931	8	" "	♀	do	272	505	165	73	22	40	26,5.	
9932	8	" "	♀	do	246	500	155	71	21	40	26	
9933	8	" "	♂ ad	do	249	505	162	74	22	42	26	
9934	8	" "	♀	do La Osa, Pima Co. Arizona	248	499	160	76	20	37	25	
9935	8	Buteo borealis calurus.	♀ ad.	do.	585	1420	430	268	28	94	70	
9936	10	Phainopepla nitens	♀	do	197	285	88	89	11	19,5	19	
9937	10	Harporhynchus bendirei	♀	do	256	331	101	115	22	36,5	29	
9938	10	Oroscoptes montanus	♀ ad	do	217	314	99	93	16.	32	24	
9939	10	Sayornis saya	♀ ad	do	191	319	105	86	15,5	21	16	
9940	10	" "	♂ ad	do	196	330	108	88	15	22	18	
9941	10	Sialia arctica	♂ ad.	do	185	357	121	75	12	25	22,5	
9942	10	Poocaetes gramineus con	♀	do	156	260	84	71	10,5	23	19	
9943	10	Lanius l. excubitorides	♂ ad	do	227	318	103	108	15	30	23	
9944	10	Polioptila melanura	♀ ad.	do	118	148	48	56	9	17	12.	
9945	11	Oroscoptes montanus	♂ ad	do	221	318	101	95	17	33	25	
9946	11	Corvus corax sinuatus	? ad	do	630	1335	432	269	68	68	65	
9947	11	Mimus polyglottus.	♂ ad	do	265	382	122	132	18	37	28	
9948	12	Phainopepla nitens	♂ ad	do	199	280	92	100	10.5	17	19	
9949	12	Oroscoptes montanus	♂.	do	[illegible]	324	103	100	17	32	23	
9950	12	Sialia arctica	♂	do	187	335	115	78	12	22	19	
9951	12.	" "	♂	do	185	348	118	75	13	23	19	
9952	13	Aquila chrysaetos	♂ ad	Buenos Ayres. do	835	2006	614	377	52	107	94	
9953	13	Cathartes aura.	♀ ad	do	685		548	310	25	66	93	
9954	13	Oroscoptes montanus	♀	do	220	322	104	99	17	30	24	
9955	13.	" "	♂	do.	229	324	104	97	17	33	26	
9956	13.	Dryobates s. bairdii ~~Sphyrapicus~~.	♀ ad	do.	184	325	108	75	20	18	18	
9957	14	Sturnella mexicana	♂ ? ad	do	260	415	130	86	33	38	32	
9958	14	Sialia arctica	♀ ad	do	170	340	118	72	13	24	20	
9959	14	Harporhynchus crissalis	♂ ad	do	314	333	107	157	39	35	20	
9960	15	Sturnella mexicana	?	do	260	426	130	86	31,5	39,5	31	
9961	15	Campylorhynchus brunneicapillus	♂	do	220	293	92	91	22	28	26	
9962	15	Dryobates s. bairdii ~~Sphyrapicus~~	♀ ad	do	180	326	103	72	19	16,7	19	
9963	15	Pipilo ~~Lagalany~~ fuscus mesoleucus.	♂ ad.	do	220	31[illegible]	98	109	15,3	27	25	

No.	Date December 1893.	Name	Sex & age	Locality	Length	Alar expanse	Wing	Tail	Bill	Tarsus	M. C.	Remarks.
9964	15	Pipilo ~~discolorus~~ f. mesoleucos.	♂	~~La Osa~~ Sturgis Ranch Pima Co. Ariz.	216	300	93	111	15	25,5	25	
9965	15	Chondes g. strigatus / Contristes sticatus	♀	do	172	275	86	76	13	20	20	
9966	15	Sialia arctica	♀ ad	do	188	355	117	77	12,2	22	21	
9967	15	Harporhynchus bendirei	♂	do	273	350	112	128	23,5	33	31	
9968	15	Falco mexicanus.	♀ ad	do.	483	1100	350	213	22	63	65.	Iris umber brown. feet lemon yellow
9969	15	Ægialitis montana	♀ ad.	Buenos Ayres, Pima Co.	227	486	155	65	20	40	24	
9970	15	" "	♀ ad.	do	225	474	148	69	20	39	21	
9971	15	" "	♀ ad.	do	249	502	161	77	22	40	24	
9972	15	" "	♀ ad.	do	246	485	147	77	22	40	24	
9973	15	" "	♀ ad.	do	240	434	155	71	22	39	24	
9974	15	Otocoris a. arenicola	♀ ad.	do								
9975	16	Pipilo f. mesoleucos.	♀ im.	La Osa. Sturgis Ranch Pima Co.	n. m.							
9976	16	Harporhynchus crissalis	♂ ad.	do	306	326.	102	143	36	34	~~30~~	
9977	16	Callipepla gambeli	♂ ad	do	300	380	118	112	11	33,5	38	
9978	16	Melanerpes uropygialis	♂ ad	do	261	440	137	95	29	21,5	29	
9979	17	Calamospiza melanocorys.	♀ ad	do								
9980	17	" "	♀ ad	do	177	276	87	75	15	25	22	
9981	17	" "	♂ ad	do	183	298	93	78	14,5	23,3	23,5	
9982	17	" "	♂ ad	do								
9983	17	Sialia arctica	♂ ad	do	175	364	123	83	14,8	23	22.	
9984	17	Campylorhynchus brunneicapillus	♂ ad.	do	211	283	89	85.	23	27	25.	
9985	17	Nyctala acadica	♀ ad. juv.	do	214	480	148	80	11	24	—	Stomach contained hair.
9986	18	Mimus polyglottos	♂ ad.	do	276	380	122	140	18	35	29,	
9987	18	Sialia arctica	♂ ad.	do	190	360	122	82	12,5	21	21	
9988	18	" "	♂ ad.	do								
9989	18	" "	♀ ad.	do	185	337	114	73	13	21,5	21,2	
9990	18	Melanerpes uropygialis	♀ ad.	do	248	430	132	93	27,5	22,8	27	
9991	18	Calcarius ornatus	♂ ad.	Buenos Ayres, Pima Co. Ariz.	157	277	89	66	10,8	21	19,7	
9992	18	" "	♂ ad.	do	153	271	84	61	10,9	20,3	19,2.	
9993	18	" "	♂ ad.	do	152	275	87	64	10,4	19,5	19	
9994	18	+ " " ×	♂ ad.	do ×	156	281	89	63	10	20	19,7	
9995	18	" "	♂ ad.	do	154	272	85	63	10	20,5	19,5	
9996	18	" "	♀	do	145	261	81	58	10,5	18	18	
9997	18	" "	♀	do	145	259	81	59	10,3	19	20	
9998	18	" "	♀	do	155	277	87	61	10,8	21,3	20	
9999	18	" "	♀	do	149	268	85	59	11	19,8	19	
10000	18	" "	♀	do	139	249	78	54	10,5	18	18	
10001	18	" "	♀	do	148	262	83	59	10,2	19,2	19	

No	Date Dec. 1893	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe + claw	Remarks
10,002	18	Rhynchophanes mccownii	♀ ad.	Buenos Ayres, Pima Co., Ariz.	150	275	85	55	11,5	19	18,2	
10003	18	Otocoris a. arenicola	♀ ad.	do	167	308	97	69	11	20	17,5	
10004	18	Sturnella neglecta	♂ ad.	do	271	430	132	90	33,5	39	35	
10005	18	Scolecophagus cyanocephalus	♀ ad.	do	233	376	120	95	20	32	27,5	
10006	18	Ægialitis vocifera	♂ ad.	do	252	500	162	102	19	35	26	
10007	18	Ægialitis montanus	♂ ad.	do	243	505	154	73	23	43	24,5	
10008	18	" "	♂ ad.	do	247	510	162	79	21	44	26	
10009	18	Tringa minutilla	♀ ad.	do	148	289	90	41	18	19	19,5	
10010	18	" "	♀ ad.	do	156	300	92	47	19	19	19	
10011	18	" "	♂	do								
10012	18	" "	♀	do								
10013	18	" "	♂ ad.	do	149	282	89	44	17	19	19,5	
10014	18	" "	♂	do								
10015	18	" "	♀	do								
10016	18	" "	♂ ad.	do	146	282	88	43	15,7	20	20,3	
10017	18	" "	♀ ad.	do	152	295	93	43	18	19,3	19	
10018	19	Sialia arctica	♂ ad.	La Osa, Pima Co., Arizona	195	366	124	84	13	22	22	
10019	21	" "	♀ ad.	do	~~181~~ 171	~~[illegible]~~ 332	~~113~~ 112	~~73~~ 72	~~13~~ 12	~~22~~ 21	~~18~~ 20	
10020	21	" "	♀ ad.	do	~~177~~	~~328~~	~~112~~	~~67~~	~~11~~	~~23~~	~~18~~	
10021	21	Campylorhynchus brunneicephalus	♂ ad.	do	223	294	95	90	23	32	25	
10022	22	Sialia arctica	♂ ad.	do	189	361	121	81	13	22	20	
10023	22	" "	♀ ad.	do	187	345	114	72	13.5	23	21.7	
10024	22	Dryobates s. bairdi	♂ ad.	do	185	340	108	67	21.5	20.	19.3	
10025	22	Sturnella mexicana	♀ ad.	do	246	393	123	80	30	39	28	
10026	22	Phainopepla nitens	♀ ad.	do	X 199	293	91	93	11	20	17,5	
10027	22.	Calamospiza melanocorys	♀ ad.	do	173	277	75	71	14	26	22	
10028	22	Minnie polyglottus	♀ ad.	do	252	356	113	124	17	32	31	
10029	22	Asio wilsonianus	♂ ad.	do	350	950	299	155.	19	41	42	Stomach empty.
10030	22	" "	♂ ad.	do	357	950	293	165.	17	41	40	Stomach cont. hair
10031	24	Campylorhynchus brunneicapillus	♀ ad.	do	215	282	89	93	23,5	26	25	
10032	24.	Pipilo f. mesoleucus	♀ ad.	do	218	291	88	106	14	26	26.	caught in mammal trap
10033	26	Callipepla gambeli	♂ ad.	do	288	382	116	107	11	32	35	
10034	26	" "	♂ ad.	do	284	383	118	111	11	32.5	35.5	
10035	28	Dryobates s. bairdi	♀ ad.	Sturgess Well 2 miles west of Caso Verde, Pima Co., Arizona	183	335	103	70	20.5	17	18.5	Shot in a palo verde tree.
10036	29	Melanerpes uropygialis	♀ ad.	Papago Village west of Labaree's Ranch, Pima Co. Arizona; La Ventana	240	420	131	93	25	23	27	
10037	29	Phainopepla nitens	♂ ad.	do	214	301	96	108	12	19	18.3	
10038	29	Otocoris a. arenicola	♂ ad.	do	173	320	103	73	11	21.5	18.5	
10039	29	Spizella breweri	♂ ad.	do	140	203	63	68	9.7	18	16	
10,040	29	" "	♀ ad.	do	138	204	63	66	9.6	18	[illegible]	

No.	Date 1893 Dec.	Species	Sex	Pozo de Louis; or Yaqui Lewis's, or	Length	Alar ext.	Wing	Bill	Tail	Tarsus	M x C	Remarks
10041	29	Falco m. deserticolus (~~Colaptes cafer~~)	♂ ad.		266	560	184	131	11.7	38	32.	Iris dark brown. Feet orange vermilion
10042	30	Colaptes chrysoides	♀ ad.	do	308	497	155	113	38	29	32	
10043	30	Harporhynchus palmeri	♀ ad.	do	300	373	120	137	30	—	31	
10044	30	Colaptes chrysoides	♀ ad.	do	300	482	150	112	34,5	28	31,5	
10045	30	Melanerpes uropygialis	♀ ad.	do	247	425	131	92	26	22,5	27	
10046	30	Empidonax difficilis	♂ ad.	do	144	221	[illegible]	[illegible]2	12	18	13,5	
10047	30	Polioptila plumbea	♀ ad.	do	112	157	46	51	10	18,5	12	
10048	30	Mimus polyglottos	♂ ad.	do	265	372	119	130	18,3	33	29	
10049	30	Callipepla gambeli	♂ ad.	do	286	380	116	113 ^ 11,2	31	36		
10050	30	" "	♂ ad.	do	285	377	118	(11.2)	115	31	35	
10051	30	" "	♀ ad.	do	272	373	117	102	11	[illegible]	35	
10052	30	" "	♀ ad.	do	288	386	120	109	11	33	36.	
10053	30	" "	♀ ad.	do	295	394	122	111	12	33	37	
10054	31	Harporhynchus palmeri	♀ ad.	do	290	358	108	126	28	33	32	Iris orange yellow
10055	31	Harporhynchus bendirei	♀ ad.	do	275	361	112	120	25	34	32	Iris yellow (not so deep as above).
	1894 Jan.											
10,056	1	Auriparus flaviceps	♂ ad.	do	115	175	55	51	8.5	17	13	Iris dark brown. Bill blackish, brown at base of mandible; feet plumbeous.
10057	1	Amphispiza bilineata	♂ ad.	do								
10058	1	× " "	♂ ad.	× do	×							
10059	1×	" "	♂	do								
10060	1	Spizella breweri	♂ ad.	do								
10061	1	Pipilo fuscus mesoleucus	♂ ad.	do								
10062	1	Heleodytes (~~Campylorhynchus~~) brunneicapillus	♀ ad.	do								
10063	1	Cal[illegible] gambeli	♀ ad.	do								
10064	2	Melanerpes uropygialis	♀ ad.	do	253	42[illegible]	131	92	28	25	26.	
10065	2	Pipilo f. mesoleucus	♂	do	229	3[illegible]	[illegible]3	[illegible]15	[illegible]15	27	25	
10066	2	Mimus polyglottos	♂	do	266	360	116	128	17,5	33	26	
10067	2	Salpinctes obsoletus	♂ ad.	do	153	232	95	58	77	22	[illegible]	
10068	2	Carpodacus m. frontalis (~~[illegible]~~)	♀ ad.	do	150	250	78	6	10	18	19	
10069	3	" "	♂ ad.	do	154	248	80	67	11,2	17,5 (~~18,5~~)	18,5	
10070	3	Colaptes chrysoides	♀ ad.	do	304	470	157	112	3[illegible]	2[illegible]	30	
10071	3	Harporhynchus c. palmeri	♀ ad.	do	27[illegible]	3[illegible]	115	132	33	34	32,5	
10072	3	Pipilo f. mesoleucus	♂ ad.	do	226	30[illegible]	[illegible]5	[illegible]	16	25,5	27	
10073	3	Polioptila melanura	♂ ad.	do	120	120	52	54	10,5	16,5	12	
10074	3	Auriparus flaviceps	♂ ad.	do	115	[illegible]	52	5[illegible]	[illegible]	15,5	[illegible]	
10075	3	Parabuteo u. harrisi	♀ ad.	Stum. [illegible] do [illegible]	530	1230	37[illegible]	2[illegible]	26	[illegible]	67	Claws 29. 27,5 [illegible] 18. Iris [illegible] [illegible] 40. [illegible] Cere mustard & tomia greenish yellow. Bill greenish gray [illegible] with tip black. Feet lemon yellow [illegible]
10076	4	[illegible] cinerascens	♂ ad.	do	[illegible]	[illegible]	[illegible]	99	17	25	17,5	
10077	4	Dryobates bairdii	♀ ad.	do	177	223	105	67	18,[illegible]	21	19.	
10078	4	Lanius l. ludovicianus	♀ ad.	do	239	328	103	110	1[illegible]	30	22	

No.	Date January 1894	Name	Sex & age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	[illegible]	Remarks.
10077	4	Melanerp. uropygalis	♀ ad.	Laguna Lewis or Polo de	247	422	131	95	26	24	26	Stomach cont. Mistletoe fruit
10080	4	Colaptes chrysoides	♂ ad.	Lewis or:	301	480	153	106	37	31	33	
10081	4	" "	♂ ad.	do	303	485	157	100	37	31	33	
✓ 10082	5	Corvus corax sinuatus	♀ ad.	do	590	1200	405	248	63	65	61	Mates,
✓ 10083	5	" "	♂ ad.	do	615	1250	420	245	67	68	62	
10084	5	Camptorynchus megarhynchus	♂ ad.	do	218	242	92	89	22	29	27.	
✓ 10085	8	Numenius longirostris	♂ ad.	Near Naris, Pima Co., Ariz.	572	975	276	118	148	87	49	
✓ 10086	8	" "	♂ ad.	do	523	930	269	114	120	82	42	
✓ 10087	8	" "	♂ ad.	do	553	962	277	114	136	80	45	
10088	8	Sturnella neglecta	♂ ad.	do	275	428	130	88	35	40	38	
10089	9	Ægialitis montana	♀ ad.	Santa Rosa Mts., about 10 m. E. of Sonoyta, Sonora	241	500	155	70	21	42,5	23.	
10090.	9	" X"	♀ ad.	do X	X237	485	149	70	22	39	23,5	
10091	9	" "	♂ ad.	do	232	486	151	69	21	42,5	25	
10092	9	" "	♀ ad.	do	233	485	148	68	21,7	41,5	23,5	Stomach contained flesh—probably beef carrion
✓ 10,093	9	Polyborus cheriway	♀ ad.	Sonoyta, Sonora	589	1285	404	240	33	92	70	pale bluish gray, white at tip; feet yellow, claws black; Iris brown, cere & face orange vermillion. Bills
✓ 10,094	11	Spatula clypeata	♀ ad.	do	473	760	225	91	64	39	42	
10,095	11	Pyrocephalus r. mexicanus	♂ ad.	do	152	268	84	64	12	16	14,5	
10,096	11	Myiarchus cinerascens	♂ ad.	do	225	336	106.	104	18	22,5	20	
10,097	12	Sayornis nigricans	♀ ad.	do	183	290	[illegible]	83	15	19	16,5	
10,098	12	" "	♂ ad.	do	190	291	93	87	15	18,5	16	
10,099	12	Ægialitis vocifera	♀ ad.	do	263	517	166	116	22	37	25	
10,100	12	Cyanocitta stelleri	♀ ad.	do	310	468	150	140	27,5	24	32	
10,101	12	Anthus pensilvanicus	♂ ad.	do	167	272	87	68	12,2	22	18,6	
10,102	12	Geothlypis t. occidentalis	♂ ad.	do	140	1[illegible]	58	59	12	22	17,5	
10103	12	Troglodytes aëdon aztecus	♂ ad.	do	129	175	54	53	12	18	15	
10104	12	Polioptila plumbea	♀ ad.	do	116	1[illegible] *	48	56	10	17,7	11,7	
10105	12	" "	♀ ad.	do	112	146	45	57	9,7	17,5	11,8	
10106	12	Sayornis nigricans	♂ ad.	do	193	302	94	87	14,7	20	16	
10107	12	Melospiza f. fallax	♂ ad.	do	164	2[illegible]	68	77	12	21,5	22	
10108	12	Oroscoptes montanus	♀	do	232	316	102	103	18	30	25	
10109	12	Agelaius p. sonoriensis	♀ ad.	do	198	320	104	81	18	25	26	
10110	12	" " "	♀ ad.	do	213	358	115	89	20,3	28,5	26,5	
10111	12	" " "	♀ ad.	do	202	334	108	86	19	27	26	
10112	12	" " "	♀ ad.	do	—							
10113	12	" " "	♀ ad.	do	212	339	110	86	20	27,5	29.	
10114	12	" " "	♀ ad.	do								
10115	12	Anas carolinensis	♀ ad.	do	353	575	171	76	35	31	38	
✓ 10116	12	" "	♂ ad.	do	405	620	196	90	40,5	34	44	
✓ 10117	12	Callipepla gambeli	♂ im.	do								

No.	Date January 1894	Name	Sex & Age	Locality	Length	Alar expanse	Wing	Tail	Bill	Tarsus	M. t. C.	Remarks
10118	12	Circus hudsonius	♂ juv.	Gonoyta Sonora								
10119	13	Pipilo chlorurus	♂ ad.	do	192	267	73	95	12,7	24	25	
10120	13	Myiarchus cinerascens	♂ ad.	do	221	327	105	102	18	24	19	
10121	13	Harporhynchus palmeri	♀ ad.	do	284	354	110	124	30,5	32	31,5	Stomach contained grasshoppers only.
10122	13	Glaucidium phalaenoides	♀ ad.	× do	181	370	104	76	~~20~~	23 23	25,5	Iris yellow. [illegible] bill, apple green, [illegible] greenish green.
10123	13	Melospiza lincolni	♂ ad.	do	142	209	66	66	10,5	20	18,5	
10124	13	Sialia arctica	♂ ad.	do		2 cents	=	1/2 bbl.	omg.-d			
10125	13	"	♀ ad.	do	186	344	115	73	12,5	24	21,5	
10126	13	Polioptila plumbea	♂	do	113	151	48	52,5	9,5	17	12	
10127	13	Anas americana	♂ ad.	do	517	890	265	120	40	43	56.	
10128	13	Harporhynchus palmeri	♂ ad.	do	293	350	110	133	30	32	30	Mated pair; male singing; killed on giant cactus, both same shot.
10129	13	" "	♀ ad.	do	294	358	108	125	30	35	33	
10130	13	" "	♂ ad.	do	303	370	114	134	32,5	35	32	
10131	13	" "	♀ ad.	do	295	358	112	131	31	33	30	
10132	13	Harporhynchus crissalis	♂ ad.	do	316	334	105	154	35,5	33	30	Slightly albinistic
10133	13	Regulus calendula	♂ ad.	do	115	175	60	48	—	18	13	
10134	13	Melospiza f. fallax	♀ ad.	do	152	201	61	68	12	21	20	
10135	13	Amphispiza belli	♀ ad.	do	160	229	73	73	11	20,5	18	
10136	13	Melanerpes uropygialis	♂ ad.	do	255	437	138	97	29,5	22,5	28	Mated pair: killed same shot; were eating mistletoe berries on iron-wood tree when shot; stomachs full.
10137	13	" "	♀ ad	do	253	437	135	94	26	22	28,5	
10138	13	Dryobates scalaris bairdi	♂ ad.	do	187	327	103	69	23	17	19	
10139	13	Callipepla gambeli	♂ ad.	di	283	375	121	113	12	31	35	
10140	13	Carpodacus frontalis	♂ ad	do	153	248	77	63	11	16	17,5	Singing
10141	13	[illegible] a. azteca	♂	do	125	170	57	50	14	18	16	
10142	14	Cistothorus palustris paludicola	♂ ad.	do	138	186	58	53	15	20	17	Iris hazel. Bill brownish black, plumbeous on basal half of mandible. Feet grayish brown.
10143	14	Polioptila plumbea	♂ ad.	do	119	159	48	53	10.3	18.5	12	Iris dark brown. Bill black, grayish flesh color in basal half of mandible. Feet plumbeous black.
10144	14	Auriparus flaviceps	♀ ad.	do	112	174	52	52	8.5	16	13.7	Iris dark brown. Bill blue-black, plumbeous at base of mandible; feet plumbeous.
10145	14	Dendroica auduboni	♀ ad.	do	140	223	72	58	11	19	16.5	
10146	14	Phainopepla nitens	♂ ad.	do	201	293	93	99	10	18.5	19	Iris red. Bill bluish black, faintly yellow at angle of mouth. Feet (dry purplish) black; claws jet black.
10147	14	Merula migratoria propinqua	♂ ad.	do	263	430	140	111	19.5	33	30	
10148	14	Sayornis nigricans	♂ ad.	do	189	302	95	87	16	18.5	16.5	
10149	14	Sayornis saya	♂ ad.	do	199	335	107	87	15	22	17.5	
10150	14	Pyrocephalus rubineus mexicanus	♀ ad	do	150	260	81	66	12	16	14.5	
10151	14	Pipilo fuscus mesoleucus	? ad.	do	236	318	103	120	15	26.5	26.5	
10152	14	Ammodramus sandwichensis alaudinus	♂ ad	do	147	243	76	60	11.5	21	20	The new: two specimens of M. f. fallax
10153	14	Melospiza fasciata montana	♀ ad.	do	168	217	68	73	12	22	21	Bill & feet the darkest trifle darker than [illegible]
10154	14	Melospiza fasciata fallax +	♂ ad.	+ do +	164	215	66	77	12	22	21	
10155	14	" "	♀ ad	do	157	205	62	68	12	21.5	20.5	
10156	15	Pipilo chlorurus	?	do								

No.	Date Jan. 1894.	Name	Sex & Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Mid. T.	Remarks.
10157	15	[illegible]ramus s. alaudinus	♂ ad	Sonoyta River, Sonora Mx.	146	242	77	57	10.5	22	19.5	
10158	15	Corvus c. sinuatus	♀ ad	do	620	1270	418	~~560~~ 260	69	68	65	
10159	15	Buteo b. calurus	♀ ad	do.	570	1380	430	253	28	90	70	Stomach empty.
10160	15	" " "	♂ ad.	Santo Domingo, Sonora	560.	1310	405	~~560~~ 240	28	88	65	Stomach contained feathers.
10161	15	Falco mexicanus	♀ ad.	do	500	1103	354	220	23,7	63	67	Stomach contained feathers.
10162	15	Callipepla gambeli	♂ ad.	do	288	385	121	118	11,3	33	36	Stomach preserved (crop.).
10163	15	Pipilo chlorurus	♂ ad	Sonoyta Sonora.	175	259	82	91	13,5	23	24	Caught in mammal trap.
10164	15	Pyrocephalus r. mex.	♂ ad.	do	156	275	85	67	12	17	16	
10165	15	Chondestes g. strigata	♀ ad.	Santo Domingo, Sonora	170	274	87	73	14	20,5	20	
10166	15	" " "	♀ ad.	do	172	271	85	76	13,3	21,3	21	
10167	15	" " "	♀ ad.	do	177	277	88	74	13,5	20	20	
10168	16	Pyrocephalus r. mexicanus	♂ ad.	Sonoyta Sonora.	154	273	86	66	13	17	15,5	
10169	16	Anas carolinensis	♂ ad.	do	382	618	187	85	38,5	33,5	43	
10170	16	" "	♂ ad.	do	382	611	185	87	36	32,5	43.	
10171	16	" "	♂ ad.	do	366.	615	190	84.	36	33	43,5	
10172	16	Melanerpes uropygialis	♀ ad.	do	241	426	129	93	27,5	22	27	
10173	16	Sayornis saya	♂ ad.	do	200	343	111	91	14,4	21	18	
10174	16	~~Campylorhynchus~~ Heleodytes brunneicapillus	♀ ad.	do	210	276 (283)	87	85	22	27	23,2.	
10175	16	Pipilo maculatus	♂ ad.	do	220	283	90	109	14,5	28	29	Caught in a cyclone [trap]
10176	7	Harporhynchus palmeri	♀ ad	do	277	336	105	125	29,5	30	30	
10177	17	Colaptes cafer	♀ ad	do	336	540	170	128	38	30	34	
10178	17	Pipilo chlorurus	♂ ad	do	197	268	83	98	13,5.	25.	26.	caught in Cyclone trap
10179	17	Anas carolinensis	♀ ad.	do	365	595	179	83	36	32	43.	Water stained superficially.
10180	17	Harporhynchus palmeri	♂ ad.	do	298	365	113	133	32	34	34	
10181	17	Spizella breweri	♀ ad.	do	139	201	63	67	9	18	17	
10182	17	Auriparus flaviceps	♂ ad.	do	114	177	53	52	8	16	13	Crop filled with Lepus alleni. Stomach
10183	17	Parabuteo u. harrisi	♀ ad.	do	576	1255	385	287	28	91	70	contained Callipepla gambeli bones feathers etc.
10184	17	Colaptes chrysoides	♂ ad.	do	291	465	142	101	38	30	33	Stomach contained [illegible]
10185	17	Falco s. deserticolus	♂ ad.	do	260	540	176	127	13	35	31	remains of grasshoppers [illegible]
10186	18	Dafila acuta ×	♀ ad.	× do	546	857	247	140	47	43	56.	
10187	18	Sturnella neglecta	♂ ad.	do	250	422	130	86	35	39	36	
10188	18	Sayornis saya	♂ ad.	do	203	338	107	90	15,5	21	17	
10189	19	Dafila acuta	♀ ad.	do	557	865.	253	138	48	44	55	
10190	19	Sturnella neglecta	♂ ad.	do	255	417	130	86	34	39	32	Stomach contained a toad, grasshoppers,
10191	19	Geococcyx californianus	♂ ad.	do	575	548	~~[illegible]~~ 175	305	54	61	42	bees, and remains of other insects
10192	19	Ægialitis vocifera	♀ ad.	do	260	525	172	105	21	36	23	
10193	19	Colaptes chrysoides	♀ ad.	do	300	474	145	107	38	28	29.	
10194	19	Callipepla gambeli	♀ ad.	do	280	375	116	106	11	31	36	
10195	19	Oreoscoptes montanus	♂ ad.	do	233	323	103	101	18	31	25	

No.	Date January 1894	Name	Sex & age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Mid toe	Remarks
10196	19	Dryobates s. bairdi	♀ ad.	Sonoyta, Sonora	184	327	104	72	20	17	18	
10197	19	Salpinctes obsoletus	♀ ad	do	148	229	70	54	18,	21,5	18	
10198	19	Auriparus flaviceps	♀ ad.	do	113	173	54	52	9	16	13	
10199	19	Zonotrichia intermedia	♀ juv.	do								
10200	19	Amphispiza bilineata	♀ ad.	do	141	208	65	66	11,5	19	17	
10201	19	Spizella breweri	♂ ad.	do	139	200	61	64	9	17	16,5	
10202	19	Gallinago delicata	♀ ad.	do	297	455	142	67	70	35	40	
10203	19	" "	♂ ad.	do	276	436	135	67	64	29	34	
10204	20	" "	♂ ad.	do	278	452	137	65	67	35	38	
10205	20	Pipilo fuscus mesoleucus	♀ ad.	do	276	436	X32					
10206	20	Zonotrichia intermedia	♀ ad.	do	169	237	75	74	11,2	21,5	22	
10207	20	Harporhynchus palmeri	♂ ad.	do	305	377	116	134	33	36	34	caught in mammal trap
10208	20	" "	♀ ad.	do	285	356	111	126	31	33,5	31	
10209	20	Scolecophagus cyanocephalus	♂ ad.	do	250	404	131	106	21.	33.	28.	
10210	21	Merula m. [illegible]	♂ ad.	do	264	411	142	108	19,5	[illegible]	[illegible]	
10211	21	Micropus ~~mesoleucus~~ melanoleucus	♂ [illegible]	do	152	340	137	60	5,8	9	10	
10212	21	" "	♂ ad.	do	152	327	138	60	6	9,2	10,3	
10213	21	" "	♀ ad.	do	160	340	140	61	6	9	12	
10214	22	Zonotrichia intermedia	♀ juv.	do								Caught in small cyclone trap
10215	22	Polioptila plumbea	♂ ad.	do	118							
10216	22	Troglodytes a. aztecus	♀ ad.	do	130	175	53	52	12,8	17	16,7	
10217	22	" " "	♂ ad.	do	124	171	52	48	13,4	17	16	
10218	22 ×	Falco sp. deserticolus	♀ ad. ×	do	×267	5?3	190	131	13	39	32	
10219	22	Pipilo chlorurus	♀ ad.	do	192	252	78	92	12	24	23	Trapt
10220	23	" "	♀ ad.	do	188	250	78	91	13,2	25	22,5	4
10221	23	Zonotrichia intermedia	♀ juv.	do								
10222	25	Buteo borealis calurus	♀ ad.	Quito Baquita, Pima Co., Arizona.	575	1380	~~425~~ 420	275	29	92	70.	Iris hazel — [illegible]
10223	26	Callipepla gambeli	♀ ad.	do	282	376	115	107	11	31	35	
10224	26	Carpodacus m. frontalis	♀ ad.	do	150	244	77	60	11	19	18,5	
10225	26	" " "	♂ im.	do								
10226	28	Anas carolinensis	♂ ad.	do	370	612	187	88	38	32	42	
10227	28	Merula m. propinqua	♀ ad.	do	265	420	136	97	21.5	35	29	
10228	28	Lanius l. excubitorides	♀ ad.	do	238	328	103	106	16.3	27	23	
10229	29	Melanerpes uropygialis	♀ ad.	do	242	425	131	92	25	25	28	
10230	29	Gallinago delicata	♀ ad.	do	290	446	137	68	67	31	36	
10231	29	Melanerpes uropygialis	♂ ad.	do	256	444	138	96	29.5	24.5	28	
10232	29	Harporhynchus	♂ ad.	do	290	356	109	123	31.5	33.5	31.	
10233	29	Falco s. deserticolus	♂ ad.	do	365	560	183	132	11	38	33	

No	Date Jan. 1894	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10234	30	Troglodytes	♂ ad.	Quitobaquita, Pima Co; Arizona, Mex. Bd. Line	130	268	55	51	12	18	16	
10235	30	Heleodytes brunneicapillus	♂ ad.	do	224	297	93	94	24	29	26.5	
10236	30	Zonotrichia intermedia	♂ juv.	do								
10237	30	Oroscoptes montanus	♂	do	225	320	101	[illegible]	18	29	24,5	
10238	31	" "	♀	do	221	310	97	96	17	30,5	23,5	
10239	31	Zonotrichia intermedia	♀	do								
10240	31	Amphispiza	ad.	do								Preserved in alcohol. No of metal Tag, 19.
10241	31	Heleodytes brunneicapillus	♂ ad.	do	209	280	86	85	22	29	25	
10242	31	Polioptila plumbea (crown blk.)	♂ ad.	do								
10243	Febr. 1	Sturnella neglecta	♀ ad.	do	238	380	116	78	31	36	33.	
10244	1	Harporhynchus	♂ ad.	do	297	360	112	131	29	35	33	
10245	1	Colaptes chrysoides	♀ ad.	do	298	481	150	106	35	26	31.	
10246	1	Melanerpes uropygialis	♂ ad.	do	272	456	139	99	32	24	30	Presented by Louis R. Irvine
10247	1	Phainopepla nitens	♂ ad.	do	202	298	96	102	10	17	17	
10248	1	Sayornis nigricans	♂ ad.	do	201	311	100	91	13	20	16	
10249	1	Salpinctes obsoletus	♂ ad.	do	152	235	74	50	18,5	20	19.	
10250	2	Aegialitis vocifera ×	♀ ad.	× do ×	×260	530	171	105	20,5	38	26	
10251	2	Mimus polyglottos	♂ ad.	do	273	377	124	135.	17,5	32	29.	
10252	2	Colaptes chrysoides	♂ ad.	do	300	475	149	109	37	27	32	
10253	2	Zonotrichia intermedia	♀ ad.	do	166	239	75	72	12	22	21	
10254	2	Polioptila plumbea (crown black)	♂ ad.	do	115	151	49	54	9,5	16,5	11,8	
10255	3	Heleodytes brunneicapillus	♂ ad.	do.	220	302	92	94	24	30	26.5	
10256	3	Spizella breweri	♂ ad.	do.	140	203	63	65	10	17	16.6	
10257	3	Accipiter velox	♂ ad.	do	287	580	187	160	10	49	38	Stomach contained 2 Spizella breweri, iris, red. (which were rather neatly picked)
10258	3	Harporhynchus crissalis	♀ ad.	do	303	326	100	142	[illegible]	31	29	
10259	4	Zenaidura macroura	♂ ad.	do	323	457	154	167	14	22	24	
10260	4	Ardea herodias	♀ juv.	do								Trapped in raccoon-trap baited with small fishes.
10261	5	Oroscoptes montanus	♂ ad.	do	227	330	103	100	16.5	32	25	
10262	5	Cathartes aura	♀ ad.	do	685	1770	525	300	26	64	90	Caught in steel-trap.
10263	5	Sayornis saya	♂ ad.	do	200	341	108	91	14	21	17.2	
10264	7	Corvus corax sinuatus	♂ ad.	do	630	1290	437	275	68	70	65	
10.265	9	Numenius longirostris	♂	Desert Killed by tr[illegible]								[illegible]t, head preserved — about 15 in the flock; head + neck preserved.
10266	10	Sialia arctica	♂ ad.	Tule Wells Ariz. [illegible]	193	360	121.	80	12,7	24		
10267	11	Corvus c. cryptoleucus	♀ ad.	do	582	1240	412	240	64	64	60	
10268	12	Lanius l. excubitorides	♀ ad.	do	224	320	98	98	15.2	26.3	24	
10269.	12	Mimus polyglottos	♀ ad	do	275	380	121	137	16	33	30	
10270	12	Phainopepla nitens	♂ ad.	do	214	303	97	104	10.3	19	20	
10271	13	Amphispiza b. nevadensis	♀ ad	do	167	243	77	77	11	21.5	18.5	

No.	Date February 1894	Name	Sex & age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	M. T. C.	Remarks.
10,272	13	Amphispiza b. nevadensis.	♀ ad.	Tule Wells, Ariz.	164	238	76	75	11	21.5	19	
10,273	16	Merula migratoria propinqua	♂ ad.	Tinajas Altas.	266	440	144	113	21	35,5	30	
10,274	16	Melanerpes uropygialis	♀ ad.	do	240	417	129	93	26	22	25,4	
10,275	16	Sialia mexicana	♂ ad.	do	175	224	111	72	11,7	19	19,5	
10276	16	Phainopepla nitens	♂ ad.	do	206	297	94	100	11,2	19	18,5	
10277	16	Helminthophila c. lutescens	♂ ad.	do	123	192	63	52	11	18	15	
10278	16	Calypte costae	♂ ad.	do	90	113	44	25	17			
10279	16	" "	♀ ad.	do	96	117	47	28	18,3			
10280	18	Corvus corax sinuatus	♂ ad.	do	608	1325	440	263	68	70	60	
10281	18	Sayornis saya	♀ ad.	do	187	316.	104	85	13,5	19	16.	
10282	19	Amphispiza bilineata +	? ad.	+ do	148	220	68	68	11.5	19	17	
10283	19	Zonotrichia intermedia	♂ juv.	do								
10284	20	Lanius l. excubitorides	♂ ad.	do	235	325	102	104	17	27	23	
10285	20	Oroscoptes montanus	♂ ad.	do	229	327	102	102	16,5	31	25,5	
10286	20	Calypte costae	♂ ad.	do								
10287	20	" "	♂ ad.	do								
10288	20	Regulus calendula	♀ ad.	do								
10289	20	Polioptila plumbea	♀ ad	do	112							
10290	20	Auriparus flaviceps	♂ ad	do								
10291	20	Corvus corax sinuatus	♂ ad.	do	620	1295	430	258	68	67	65	
10292	21	Trochilus costae	♂ ad.	"								
10293	25	Ægialitis vocifera	♀ ad.	Adonde, Yuma Co. Ariz.	263	520	170	105	19,5	34,5	26	} Mates
10294	25	" "	♂ ad.	do	261	507	165	104	21	39	27	
10295	25	Tringa minutilla	♀ ad.	do	149	287	90	43	17,5	20	20	
10296	25	Zonotrichia intermedia	♀ juv.	do								
10297	25	" "	♀ ad	do	165	240	75	73	11	22,5	21	
10298	25	Polioptila plumbea	♂	do								Singing a faint, sweet song.
10299	25	" "	♂ juv.	do								
10300	25	" "	♀ ad.	do								
10301	25	Auriparus flaviceps.	♂ ad.	do	102	171	52	49	8	16	13,3	
10302	25	Lanius l. excubitorides	♀ ad.	do	234	324	105	110	16	27	23	
10303	25	Harporhynchus crissalis	♀ ad.	do	314	326	101	149	35	32,5	29	A female, but sang [illegible]
10304	25	Helminthophila celata	♂ ad.	do	131	197	62	52	11,5	19	16	In a cottonwood tree.
10305	26	Callipepla gambeli	♂ ad	do	293	373	118	111	11	34	37	
10306	27	Heleodytes brunneicapillus.	♂ ad.	do	220	300	93	90	23	29	2[illegible]	
10307	27	Pipilo aberti	♀ ad	do	235	290	97	117	17	28	28	
10308	27	" "	♀ ad	do	233	[illegible]	96	120	16	29	28	

No.	Date 1894 Febr.	Name.	Sex and age	Locality.	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
10309	27	Amphispiza ~~bilineata~~ belli nevadensis	♀ ad.	Adonde, Yuma Co., Arizona.	159	242	76	74	10,6	20,7	18	
10310	27	" "	♀ ad.	do	155	227	72	74	10	19	18	
10311	27	Empidonax griseus	♂ ad.	do	152	242	74	65	12	18,4	13,5.	
10312	28	Sayornis nigricans	♂ ad.	do	193	308.	97	86	15,5	20	16.	
10313	28	Stelgidopteryx serripennis	♂ ad.	do	141	325	120	58	7	10,4	14	
10314	March 1	Pipilo aberti	♂ ad.	Between Adonde ~~Lakes~~ & Gila City, Ariz.	232	300	95	116	~~16~~	28	27.	
10315	1	Podilymbus podiceps	♀ ad.	do	325	550	127	48	20	40.	60.	length to end of toes 436.
10316	1	Fulica americana	♂ ad.	do	403	720	205	66	45	62	88.	" " " " 560.
10317	2	Anas boschas.	♂ ad.	Gila City, Yuma Co., Arizona.	570	925	270.	106.	57	47	62	
10318	2	Anas carolinensis	♀ ad.	do	382	613	183	86	37,5	32	42	
10319	2	Cathartes aura	♀ ad.	do	640	1710	523	290	24	59	82	
10320	2	Falco mexicanus	♀ ad.	do	495	1135	363	223	25	62	66.	
10321	2	Sturnella	♀ ad.	do	239	388	118	74.	33	37	35	
10322	2	"	♀ ad.	do	235	390	120.	73	30	36.	31	
10323	2	Auriparus flaviceps	♂ ad.	do	112	173	52	51	9	17	13,5	
10324	2	Polioptila plumbea	♂ ad.	do	117	151	46	54.	9,7	17	12	
10325	2	" "	♂ ad.	do	115	156	47	55	10	18	12	
10326	2	" "	♀ ad.	do	120	150	47	55.	9,7	17	11,5	
10327	2	" "	♀ ad.	do	114	149	46	52	9.	17	11,5	
10328	2	Zonotrichia intermedia	♂ juv.	do								
10329	2	Amphispiza b. nevadensis	♂ ad.	do	157	233	74	73	10	20	19	
10330	2	Pipilo aberti	♂ ad.	do	237	302	97	125	16.	29.	28.	
10331	2	" "	♀ ad.	do	229	288	88	114	16	28	27	
10332	2	" "	♂ ad.	do	241	308	97	124	16.	28,5.	27.	
10333	2	" "	? ad.	do	~~565~~	~~395~~						No. of metal tag, 52 (small trap. Preserved in alcohol. Caught in man-
10334	3	Zonotrichia intermedia	♂ juv.	do								[illegible] in "cyclone" mouse-trap.
10335	3	" "	♂ juv.	do								" " " "
10336	4	Lanius l. excubitorides	♂ ad.	do								
10337	5	Anas boschas	♀ ad.	do	565	895	265	76	53	44	62	
10338	5	Colaptes cafer	♀ ad.	do	345	555	173	137	40	30.5	34	
10339	5	Myiarchus cinerascens	♂ ad.	do	222	330	102	99	20	23.5	19	
10340	10	Geococcyx californianus	♂ ad.	Yuma Ariz.	375 / 575	525	173	309	50	62	43	
10341	10	Oroscoptes montanus	♂ ad.	do	222	312	100	95	18	32	24	
10342	10	Zonotrichia intermedia	♀ ad.	do	166	241	76	75	11	24	22	
10343	10	Pipilo aberti	♀ ad.	do	211	271	89	110	15	28,5	27,5	
10344	10	Phainopepla nitens.	♂ ad.	do	217	308	102	108	10	18,3	19	
10345	10	Dendroica auduboni	♂	do	147	240	78	63	10	18,3	16.	

No.	Date 1894 March	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
10346	10	Merula m. propinqua	♀ ad.	Tuma, Tama Can. Ariz.	267	418	130	110	21,5	33	31.	
10347	9.	Falco mexicanus	♂ ad.	" "	410	945.	310	187	19	55	58	Shot by Hackbart, stomach cont. Sp. [illegible]
10348	9.	Speotyto c. hypogaea	♀ ad.	" "								Preserved in alcohol.
10349	12.	Pipilo aberti	♀ ad.	Yuma, Arizona.	229	281	88	110	16	28	26,5.	
10350	13	Parabuteo unicinctus harrisi	♂ ad.	do								
10351	13.	Ceryle alcyon	♀ ad.	do	368.	590.	170	107	65	12	26,5	
10352	13.	Otocoris a.	♂ ad.	do	173	328	104	71	13.	21	17.	
10353	13	Melanerpes uropygialis	♂ ad.	do	253	435	132	90	29	22,5	28.	
10354	13	" "	♂ ad.	do	260	433.	133	95	31,5	21,2	27,5.	
10355	14	Corvus ossifragus	♂ ad.	Monument No. 204 at the Col. Riv.	452	895	295	188	43.	57	50.	Hight of bill at base 20.
10356	14	Agelaius p. sonoriensis	♀ ad.	do	198	332	105	76.	19.	26.	28,7	
10357	14	" " "	♀ ad.	do	200	343	108	80	20	26.	28.	
10358	13	Myiarchus cinerascens	♂ ad.	Bet. Yuma + the Lower Cr. Col. R.	222	333	103.	100	17.	23	19	
10359	13	Pooecetes g. confinis	♂ ad.	do	162	259.	80	68	11,8	20	20.	
10360	13	Junco shufeldti	♀ ad.	do	158	240	76.	69	12	20,5	20.	
10361	14	Pyrocephalus r. mexicanus	♂ ad.	Monument No. 204, at the Col. R.	151	258	82	64	11,5	16,3	14	
10362	14	Helminthophila luciae	♂ ad.	do	117	187	58	47	9	16.	13	
10363	14	Melospiza f. fallax	♂ ad.	do	158	217	65	73	12	21	21.	
10364	14	" " "	♂ ad.	do	165	217	68	77	13	21,5	21,5.	
10365	14	Pipilo aberti	♀ ad.	do	221	275	85	111	16	26,5.	26.	
10366	14	" "	♂ ad.	do	238	295	92	118	17	28,5	28	
10367	14	Sayornis nigricans	♀ ad.	do	183	286	90	82	14	17,5	15	
10368	14	Dryobates s. bairdi	♀ ad.	do	182	325	100	68	20	18	17	
10369	14.	Regulus calendula	♂ ad.	do	117	189	60	48	8	21	13.	
10370	17	Zonotrichia intermedia	—	do	—	—	—	—	—	—	—	Preserved in alcohol.
10371	17	Pipilo chlorurus	♀ ad.	do	188	250	78	73	13	24	24	do
10372	17	Corvus corax sinuatus	♀ ad.	do	570	1185	390	238	60	61	61	depth of Bill 29.
10373	18	" " "	ad.	do	Preserved in alcohol. No. of metal tag. 74.							
10374	18	Zonotrichia intermedia	juv.	do	Preserved in alcohol. No. of metal tag 75.							
10375	19	Sturnella neglecta	♂ ad.	do	253	410	126	82	35	40	34,5.	
10376	19	Dendrocygna fulva	♂ ad.	Col. R. at Monument No. 205.	480 [struck: 885]	885 [struck: 225]	225 [struck: 75]	75	47	57	81	from tibia to end of claws 225. H.T.C. 28.
10377	19	Tringa minutilla	♀ ad.	do	147	285	88	45	19	18	18	
10378	19	" "	♂ ad.	do	146	280	87	41	16	20	19,5	
10379	19	" "	♂ ad.	do	151	292	88	42,5	19	20	21	
10380	19	Actitis macularia	♀ ad.	do	196.	343	105	52	25	25	24	
10381	19	" "	♂ ad.	do	180	330	103	51	22	23	22,5	
10382	19	Pooecetes gr. confinis	♂ ad.	do	159	261	80	67	11,5	21	20,7	
				do								

No.	Date 1894 March	Name.	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10383	19	Anthus pensilvanicus	♀ ad.	Col. Riv. at Monument 205	170.	269.	87	70	12	22.	18,5	
10384	19	" "	♂ ad.	do	164	271	85	66.	14	23	19	
10385	19	Merula m. propinqua	♂ ad.	do	265	423	138	106.	20	34	30	
10386	19	" " "	♂ ad.	do	276	440	145	121	22	33	30	
10387	19	" " "	♂ ad.	do	259	425	138	107	21	34	30	
10388	19	Melanerpes uropygialis	♂ ad.	do	260	443	135	98	31,5	23,5	29.	
10389	19	Myiarchus cinerascens	♂ ad.	do	226.	340.	105	102.	19,5.	23	20.	
10390	19	Spizella breweri	♀ ad.	do	135	296	62	66.	9	17	16.	
10391	19	Pipilo aberti	♂ ad.	Col. Riv. at Monument 204.	244	310	98	125	16,5.	28,5	27	
10392	19	Melospiza f. fallax	♂ ad.	do	161	13	66	74	13	22.	20	
10393	20	Pipilo chlorurus	♀ ad.	do	1.86.	249	78	90	13	24.	24	
10394	21	Chordeiles henryi	♂ ad.	do	229	562	195	120	6	16	19	
10395	21	Salpinctes?	♂ ad.	do.	132	68	64	57	13	18	14	
10396	22	Zonotrichia intermedia	— ad.	do								Not measured Caught in cyclone trap. In alcohol; metal tag No. 77.
10397	21	Callipepla gambeli	♂ ad.	Yuma, Arizona	291	385	120	115	12	34	36.	
10398	21	Zenaidura macroura	ad.	" "	326.	470	158	164	14,3.	22,5	27,5.	
10399	21	Falco sparverius deserticolus	♂ ad.	" "	283	592	198	144	12,5.	39	30.	
10400	22	Ardea herodias	♀ ad.	Monument 204. Colorado River	1112	1765	476.	185	142	168	123	one very large egg ...... shell.
10401	22	Bubo v. subarcticus	♀ ad.	do	530	1357	375	215	30	56	75	eggs enlarged, almost ready to lay.
10402	23	" "	♂ ad.	do	490	~~[illegible]~~ 1245	3[illegible]9	230	30	47	64	
10403	23	Pipilo aberti	♂ ad.	do	242	~~1245~~ 302	100	126	17	32	26.	
10404	23	Geococcyx californicus	♀ ad.	do.	570	557	170	301	50	62	31,5.	has copulated eggs enlarged —
10405	23	~~Sturnella~~ Nycticorax n. naevius	♂ ad.	do	.665	1150	315	127	79	78	92	
10406	24	~~Sturnella~~	♀ ad.	do	238	375	117	78	34	37	32	
10407	24	~~Falco columbarius~~ Accipiter velox	♂ ad.	do	290	600	202	31	13	34	40	
10408	24	Pipilo chlorurus.	♀ ad.	do	177	230	77	85	14	25	23.	caught in cyclone trap
10409	24	Pipilo aberti.	♂ ad.	do	235	304	98	121	17	32	30	
10410	24.	Pyrocephalus r. mexicanus	♂ ad.	do.	157	260	84	65	12	17	13	
10411	24	Podilymbus podiceps	♀ ad.	do	344	576	133	49	17	37	62	
10412	24.	Anas? Erismatura rubida	♀ ad.	do.	390	585	148	89	40	33	64	
10413	25	Icterus bullocki	♂ ad.	do	206	322	102	87	19,5	25,5	22	
10414	25	Geothlypis t. occidentalis	♂ ad.	do	139	183	58	59	12	22	16.	
10415	25	Chordeiles	♂	do	239	581	205	128	5	16	20.	
10416	25.		♀	do	380	665	193	62	32	56	84	
10417	27.	Icteria	♂	do	180	325	104	72	11	23	17	
10418	28	~~Falco~~ Accipiter ~~s.~~ velox	♂ ad.	do	293	565	180	45	16	54	39.	
10419	28	Nycticorax n. naevius	♀ ad.	do	635	1140	320	130	76	80	93	
10420	29	Melospiza f. fallax	♀ ad.	do	160		65	72	13	22	20	

No.	Date 1894 March	Name	Sex and Age	Locality								
10421	29	Otocoris a.	♂ ad.	Monument 204. Col. R.	182	331	108	75	12,5	21,5	17	
10422 [1]	23	Harporhynchus crissalis	♂ ad.	Cienega Well, 30 m. s. of Monument 204, M. B. L.	309	327	101	148	35	32	30	
10423 [2]	24	Picicus bulloocki	♂ ad.	Colonia Diaz, Col. R., Sonora.	206	326	102	85	19	25	22.3	The first one seen this year.
10424 [3]	24	Callipepla gambeli	♀ ad.	Head of Gulf of California	279	371	116	103	10.8	32	34.5	
10425 [4]	24	Falco s. deserticolus	♂ ad.	Colonia Diaz, Col. R., Sonora.	268	570	189	133	12.	38	31.5	
10426 [5]	25	Ammodramus rostratus	♂ ad.	Mouth of Col. R., Mex., opposite mouth of Hardy's River	155	246	75	59	13.5	23	22	Iris brown. Bill brownish, purplish black above and at extremity of mandible; basal two-thirds of mandible and edges of maxilla at base purplish flesh color. Tarsi light brown; toes dark brown. Their (bills and feet all tasted saltish. Probably ranges only as far as tide water extends up the Colorado River. These were shot opposite the mouth of Hardy's R.
10427 [6]	25	" "	♂ ad.	do	155	246	73	58	14.4	24	23	
10428 [7]	25	" "	♂ ad.	do	159	245	74	57	14.2	23.5	22.2	
10429 [8]	25	" "	♂ ad.	do	157	248	75	57	14.6	23	22.	
10430 [9]	25	" "	♀ ad.	do	145	217	64	52	13.6	20	19	
10431 [10]	25	Ammodramus s. alaudinus	♀ ad.	do	138	228	70	55	10.	20.5	20	
10432 [11]	25	" " "	♂ ad.	do	141	235	73	59	10.5	21	19	
10433 [12]	25	Spizella s. arizonae	♂ ad.	do	145	230	72	65	10.3	18	!	
10434 [13]	25	Cistothorus p.	♂ ad.	do	122	159	49	46	13.2	19	17	
10435 [14]	25	Anas cyanoptera	♂ ad.	do	427	670	200	90	45	35	50	
10436 [15]	25	" "	♀ ad.	do	400	635	190	93	42	32.5	44	Positively a female.
10437 [16]	26	Circus hudsonius	♀	do	537	—	385	283	19	80	51	
10438 [17]	26	Agelaius p. sonoriensis	♂ ad.	do	237	392	128	100	23.5	31.5	31	Mid-claw 10 mm.
10439 [18]	26	Corvus c. sinuatus	♂ ad.	do	620	1280	430	260	68	70	68	
10440 [19]	26	Sayornis nigricans	♀ ad.	do	178	280	87	80	14	19	16	
10441 [20]	26	Cistothorus p.	♀ ad.	do	123	165	51	47	14	19	17.5	
10442 [21]	26	" "	♀ ad.	do	123	161	51	47	14	18.5	17.9	
10443 [22]	26	Ammodramus rostratus	♀ ad.	do	148	227	71	65	13.8	23	22	
10444 [23]	26	" "	♂ ad.	do	156	241	75	59	14.5	23.5	23	
10445 [24]	26	" "	♂ ad.	do	157	242	74	59	15.2	23.	22	
10446 [25]	26	" "	♂ ad.	do	154	243	73	57	14.	24	23	
10447 [26]	26	" "	♀ ad.	do	150	226	70	54	13.5	23	21	
10448 [27]	26	" "	♀ ad.	do	145	225	68	52	14	23	21	
10449 [28]	26	" "	♂ ad.	do	150	231	70	63	15	23	24	
10450 [29]	26	" "	♂ ad.	do	158	245	77	60	13.3	23	23	
10451 [30]	27	Chen	♀ ad.	do	725	1480	416	158	59	82	75	Iris hazel. Bill with processes at tips of mandibles, white; culmen spotted with horn-color and grayish black; basilar portion of both mandibles reddish purple. Feet purple. Claws plumbeous
10452 [31]	27	Sturnella mexicana	♂ ad.	do	254	406	129	82	39	41	33	
10453 [32]	27	Mimus polyglottos	♂ ad.	do	269	360	120	135	19	31	28	
10454 [33]	27	Larus occidentalis californicus	♀ juv.	do	663	1570	453	192	56	71	71	Iris grayish brown. Bill spotted; horn color and dark plumbeous. Feet flesh color; claws dusky.
10455 [34]	27	Larus delawarensis	♂ ad.	do	535	1285	395	168	43	61	50	
10456 [35]	27	" "	♂ juv.	do	520	1240	382	165	45	60	50	
10457 [36]	27	Larus brachyrhynchus	♀	do	495	1215	382	148	41.5	55	48	
10458 [37]	27	Chen	♀ ad.	do	712	1440	422	160	53	79	75	Oesophagus crammed with ~~carrizo~~ carrizo roots (preserved in alcohol).
10459 [38]	28	Chordeiles texensis	♂ ad.	do	236	575	195	121	7.1	15	20	
10460 [39]	28	Larus delawarensis	♂ ad.	do	520	1260	389	172	45.5	63	49	Irides straw color. Bill and feet yellow with claws, and subterminal band of bill, black. Eyelids car[illegible]

No.	Date. 1894 March	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks.
10461 [40]	28	Larus delawarensis	♀ ad.	Colorado River, below Hardy's River.	482	1165	365	150	41	55	46	= rume. Inside of mouth bright vermillion red.
10462 [41]	28	Sterna maxima	♂ ad.	do	560	1325	426	169	71	48	46	Iris hazel. Bill vermillion, with a large blackish subterminal spot on each side. Feet black; claws black, tipped slightly with horn-color.
10463 [42]	28	Ardea egretta ~~occidentalis~~	♀ ad.	do	1000 (and cls, 665)	1475	410	170	114	157	104.	Length to end of claws, 1290; iris straw-color edged with red. Bare space in front of eye yellowish green. Bill yellow with tip of maxilla dusky above this. Legs & feet black.
10464 [43]	28	Recurvirostra americana	♂ ad.	do	486	813	246	103	101	106	52	Head of tibia to end of claws, 290. Iris brown. Bill black. Legs and feet pale grayish blue; claws plumbeous black.
10465	29	Ægialitis nivosa	♂ ad.	do	176	354	111	52	16	26	18.2	
10466	29	Dryobates scalaris bairdi	♂ ad.	Willows at The Corral	188	345	105	70	25	20	21	
10467	29	Anas cyanoptera	♀ ad.	Laguna Salado	In alcohol. Metal tag No. 89.							
10468	29	Tringa minutilla	♂ ad.	" "	151	295	93	43	17.5	20.5	19.5	
10469	29	Ereunetes ~~pusillus~~ occidentalis	♂ ad.	Laguna Salada	162	300	97	49	22.5	21.5	18	
10470	29	" "	♂ ad.	Las Carpas	165	310	99	45	24	23	19	
10471	29	" "	♀ ad.	do	172	313	99	46	27	23	20	
10472	29	" "	♂ ad.	do	162	307	98	47.5	22.5	21	18	
10473	29	" "	♀ ad.	do	178	319	99	48	27	25	22	
10474	29	" "	♀ ad.	do	181	323	101	51	29	24	21.5	
10475	29	Tringa minutilla	♂ ad.	do	148	291	93	46	17.5	20	20.5	
10476	29	Ægialitis semipalmata	♀ ad.	do	188	388	123	62	12.3	24.5	22	
10477	29	Macrorhamphus scolopaceus	♀ ad.	do	305	494	152	65	73	42	33	
10478	29	" "	♂ ad.	do	276	485	148	65	63[4]		33	
10479	29	" "	♀ ad.	do	293	475	146	62	67.5	39	30	
10480	29	" "	♀ ad.	do	311	502	155	68	71	39	32.5	
10481	29	" "	♀ ad.	do	303	560	150	65.	73	44	35	
10482	29	Tringa minutilla	ad.	do } In alcohol Metal tag No. 99								
10483	29	" "	ad.	do								
10484	29	Ereunetes occidentalis	ad.	do								
10485	29	" "	ad.	do								
10486	29	" "	ad.	do								
10487	29	Callipepla gambeli	♂ ad.	Col. R. opposite mouth of Rio Hardy.	Put in alcohol. Metal tag No. 99.							
10488	30	Pyrocephalus r. mexicanus.	♂ ad.	Monument 204, Col. R.	148	270	82	62	12.3	17	14.5	
10489	31	Bubo v. subarcticus	♀ ad.	do	540	about 1310	375	230	28.5	64	74.	Stomach contained a large Neotoma. Very pale
10490	31	Tyrannus verticalis	♂ ad.	do	230	410	132	102	17.5	18.5	29.5	
10491	31	Parabuteo u. harrisi	♂ ad.	do	512	1085 ~~333~~	333	235	26	81	62	Stomach contained Lepus arizonae.
10492	April 3	Geococcyx californianus	♂ ad.	Ft. Yuma, San Diego Co., Calif.	596	550	180	320	51	64	42.	
10493	3	Pipilo aberti	♂ ad.	do	230	293	90	115	17	30	28	
10494	3	Pyrocephalus r. mexicanus	♂ ad.	do	150	263	83	62	13	16	14	
10495	4	Melospiza f. fallax	♂ ad.	do	164	216	67	74	12	22	21	
10496	4	Vireo	♂ ad.	do	132	185	57	56	11	20	14.	Iris hazel
10497	4	Lophodytes cucullatus	♀ ad.	do	436	635	180	110	138	31	54	
10498	5	Amphispiza flaviceps	♂ ad.	do	108	172	52	52	9	16	13	Brought me by a Yuma Indian

No.	Date 1894 April	Name	Sex and Age	Locality (Salton River)	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks.
10499	8	Trochilus alexandri	♂ ad.	Seven Wells, Lower Cal., near U. S. boundary line.	In alcohol. No 3384 (metal tag).							
10500	8	Erismatura rubida	♂ ad.	do	398	602	152	95	43	38	73.	
10501	8	Empidonax	♂ ad.	do	140	203	62	57	11	16,5	12,5	
10502	8	Geothlypis t. occidentalis	♂ ad.	do								
10503	8	Totanus	♂ ad.	do	350	603	189	85	56.	61	38	
10504	8	Gallinula galeata	♀ ad.	do	214	506,	165	72	25	50	70.	
10505	7	Parabuteo u. harrisi	♂ juv.	Cooks Wells, Lower Cal., near U.S. boundary line	529,	1065	327	250.	25	76	58	Iris hazel, cere greenish yellow bare space around eye green. grayish bill bluish-black at tip. Stomach contained [illegible]
10506	9	Melospiza f. fallax	♀ ad.	Seven Wells, Lower Cal. near U. S. boundary line	160	209	68	74	12	20	19.	
10507	9	" " "	♂ ad.	do	164	216	68	74	13	21	20	
10508	9	Ammodramus s. alaudinus	♀ ad.	do	140	234	70	50 (corrected)	11.2	20.3	21.3	
10509	9	Totanus melanoleucus	♂ ad.	do	348	610	190	82	53	62	39	
10510	9	Gallinago delicata	♀ ad.	do	273	418	130	63	62.5	30	34	
10511	9	Anas carolinensis	♂ ad.	do	400	625	188	83	38	33	41	
10512	9	Geococcyx californianus	♀ ad.	do	584	578	167	310	50	63	43.	
10513	10	Botaurus [illegible]	♀ ad.	do								
10514	10	Spatula clypeata	♂ ad.	do	502	805	146	95	62	39	55	
10515	10	" "	♀ ad.	do	473	750	125	89	65	37	54	
10516	10	Anas [illegible]	♀ ad.	do	398	630	187	77	48	32	46	
10517	10	Podilymbus podiceps	♀ ad.	do	334	560	127	40	20	41	57	
10518	10	" "	♂ ad.	do	395	645	145	57	25	47	70	
~~10519~~		~~Melospiza f. fallax~~	— ad.	do	Preserved in alcohol Metal Tag. 3408.							
~~10520~~*	10	~~" " "~~	— ad.	do note*	165	225	~~74~~ 68	~~12.5~~ 74	~~21.3~~ 12.5	~~20~~ 21.3	20.	*This measurement are of No 10519.
10521	10	Geothlypis t. occidentalis	♂ ad.	do	132	183	56	54	11,3	22	19	
10522	10	Phalacrocorax	♀ ad.	do	820	1305	325	185	57	68	83.	
10523	11	"	♀ ad.	do	790	1270	306.	170	54	67	81	
*10519	10	Melospiza f. fallax	♂ ad.	do	165	225	68	74	12.5	21.3	20	
10520	10	" " "	— ad.	do	Preserved in alcohol. Metal tag No. 3408.							
10524	11	Tringa minutilla	♀ ad.	do	147	280	90	42	17	19	20	
10525	11	Cistothorus p. paludicola	♂ ad.	do	~~147~~ 139	~~280~~ 177	~~90~~ 58	~~42~~ 53	~~17~~ 21	~~19~~ 18		
10526	11	Nycticorax n. naevius	♀ juv.	do								
10527	12	" " "	♀ juv.	do								
10528	12	Pandion h. carolinensis	♂ ad.	do	550	1640	490	245	31,5	57	68	
10529	12	Ardea virescens	♂ ad.	do	485	740	207	79	59	55	58	
10530	12	Myiarchus cinerascens	♂ ad.	do	226	335	104	103	19	24	18,5.	
10531	12	Geothlypis t. occidentalis	♂ ad.	do	140	189	58	58	12,2	22	19	
10532	12	Fulica americana	♀ ad.	do	356	645	187	55	40	51	76.	
10533	13	Harporhynchus crissalis	♀ ad.	do	309	319	101	152	35	32	28,5.	
10534	13	Helminthophila c. gutteralis	♀ ad.	do	125	193	62	50	10	16	14,5.	

No	Date 1894 April	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10535	13	Geothlypis t. occidentalis	♂ ad.	Seven Wells, Lower California, near U. S. border	133	182	56	55	13	21	18	
10536	13	Sylvania pusilla	♂ ad.	do	128	183	60	54	9,3	19,5	15	
10537	13	Melospiza f. fallax	♂ ad.	do	165	220	70	76	13	22	19,5	
10538	13	Sturnella neglecta	♀ ad.	do	236	386	118	77	30	37	31	
10539	13	Aegialitis vocifera	♂ ad	do	257	576	165	107	21	38	26	Killed same shot as two Pintails
10540	13	Ardea virescens	♂ ad	do	507	755	212	78	63	56	60	
10541	13	Botaurus lentiginosus	♀ ad.	do	620	970	256	93	73	84	92	
10542	13	Dafila acuta	♂ ad.	do	665	920	172 ~~73~~	198	53	45	60.	
10543	13	Anas cyanoptera	♂ ad	do	427	653	192	73	46	34,5	48	
10544	14	Ardea herodias	♀ ad.	Gardner's Lagoon, ~~[illegible]~~ Salton R., L. Cal.	1110	1755	467	191	148	171	125.	
10545	14	" "	♂ juv	do								Half grown young; still in nest.
10546	14	" "	♂ pullus	do								Young just hatched; nest contained, cracked egg and two young, one still wet
10547	14	" "	♀ pullus (one nest.)	do								do ; " " " " " " " " , about one day old.
10548	14	" "	♂ pullus	do								do ; " " " " " " " " " " "
10549	14	Bubo v. subarcticus	♂ ad.	Gardner's Lagoon, S.R., L. Cal.	510	1290	365	220	27	59,	66	
10550	14	Pyrocephalus r. mexicanus	♂ ad.	do	148	258	83	65	12	15.5	15.5	
10551	14	Melospiza f. fallax	♀ ad.	do	157	207	65	66	12.7	21	20	
10552	16	Ardea egretta	♀ ad.	Seven Wells, Lower Calif.	910	1410	385	165	101	147	105	
10553	16	" "	♀ ad.	do	956	1422	386	163 ~~118~~	118 ~~57~~	157 ~~118~~	118	
10554	16	Ardea candidissima	♂ ad.	do	645	1055	284	108	93	108	76	
10555	16	" "	♀ ad.	do	564	950	258	96	83	99	75	
10556	16	Falco m. deserticolus	♀ ad.	do	275	600	200	143	13,5	36,5	29	
10557	16	Tringa minutilla	♀ ad.	do	152	299	93	43	18	21	21,7	
10558	16	" "	♂ ad.	do	143	272	84	40	17,5	18	19	
10559	16	Porzana carolina	♂ ad.	do	222	361	108	56	22,5	36	47	
10560	16	Sayornis nigricans	♂ ad.	do	181	276	85	83	16	19	17	
10561	17	Ardea candidissima	♀ ad.	Gardner's Station, L. Cal.	603	965	260	106	84	96	73.	
10562	17	" "	♀ ad.	do	585	960	266	101	83	98	72	
10563	17	Himantopus mexicanus	♂ ad.	do	380	710	235	87	66	120	46	Length to end of claw. 580 head of Tibia to end of claws 288 Tibia 123
10564	17	Geothlypis t. occidentalis	♂ ad.	do	136	184	60	55	12.3	20	18.	Legs & feet Peach blossom Pink; Bill
10565	17	Dendroica æ. sonorana	♂ ad.	do	129	195	62	49	10.5	18	13.5	& claws black Iris carmine red.
10566	18	Himantopus mexicanus	♂ ad.	Gardner's Lagoon, L. Cal.	376 ~~129~~	710 ~~195~~	232 ~~180~~	84	67	114	41.5	Length to end clo 560; hd. tib to e. cl., 272
10567	18	Geothlypis t. occidentalis	♀ ad.	do	132	173	53	54	11,5	20,5	18	
10568	18	Tyrannus verticalis	♀ ad.	do	222	495	125	93	16	18.5	20.5	
10569	18	Melospiza f. fallax	♀ ad.	do	151	207	64	64	12	22	20	
10570	18	Empidonax hammondi	♀ ad.	do	142	220	70	61	12	16	14	
10571	18	Tringa minutilla	♂ ad.	do	141	281	87	42	17	19	19,5	
10572	18	" "	♂ ad.	do	147	287	90	43	17	20	20	

No.	Date 1894 April	Name.	Sex and age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks.
				Salton River,								
10573	18	Totanus solitarius	♂ ad.	Gardner's Lagoon, S. Cal.	229	435	143	61	30	34	30,5	
10574	18	Dendrocygna fulva	♀ ad.	do	468	860	218	74	46	54	78	head of tibia to end of claw 223. Tibia 78 bare portion 27. Iris hazel, Bill plumbeous, mottled with dusky to nail black. feet to claws plumbeous. 250-117. 58-595. 250-118-63.-598
10575	19	Recurvirostra americana. Head and neck salmon-color.	♂ ad	do	447	760	223	97	90	88	45	
10576	19	" " Head + neck grayish white	♀ ad.	do	442	748	221	88	86	90	46	
10577	19	Himantopus mexicanus	♂ ad.	do	372	731	240	84	65	108	46	head of tibia 270 tibia 120 bare por. 78. end of claws 556
10578	19	Macrorhamphus scolopaceus	♂ ad.	do	284	477	145	61	65	38	30	
10579	19	" "	♀ ad.	do	305	491	151	67	75	42	32	
10580	19	Gallinago delicata	♀ ad.	do	287	448	135	65	67	34	38	
10581	19	Ægialitis vocifera	♂ pullus	do								This young Killdeer was running on the sand near a mesquite tree and peeping loudly, when I saw a Scaly Tree Lizard (Sceloporus clarkii ?) chase and catch it by the neck and run back to its home under the mesquite. I frightened the Lizard into dropping the bird, which was dead, and shot the Lizard (No. 3279)
10582	19	" "	♀ pullus	do								
10583	20	Phalacrocorax d.	♀ ad.	do	840	1275	315	187	56	67	79	Length of outer toe + claw 95. Right gular pouch + region around angle of mouth + in front of eye ceraceous. Bill plumbeous, mottled with irregular areas of pinkish vinaceous on mandible + sides of maxilla. Iris verdigris green. Feet slate black
10584	20	" "	♀ im.	do	827	1301	308	186	57	69	84 O.T.C. 98	
10585	20	Ardea virescens	♂ ad.	do	502	763	207	75	62	56	59.	
10586	20	Totanus melanoleucus	♀ ad.	do	356	620	191	80	57	64	38	
10587	20	Totanus solitarius	♂ ad.	do	226	423.	140	66	31	31	28	
10588	20	Actitis macularia	♂ ad.	do	202	349	112	59	24	23	23	
10589	20	Ceryle alcyon	♀ ad.	do	344	571	164	110	58	13	23	
10590	20	Melospiza f. fallax	♂ ad.	do	165	222	68	76	13	22.5	20.5	
10591	20	" " "	♀ ad.	do	161	221	67	75	12.5	22	20	
10592	20	Melospiza lincolni	♀ ad.	do	146	203	63	62	10.5	20	20	
10593	20	Dendroica auduboni	♂ ad.	do	147	237	77	59	11	19	16.5	Parent of (nest +) 3 eggs preserved.
10594	20	Pipilo aberti	♀ ad.	do	235	283	90	115	17	28.5	27	
10595	21	Chaetura vauxii	♀ ad.	do	123	276	117	44	5,3	12	11,5	Iris hazel
10596	21	Tringa minutilla	♀ ad.	do	154	295	92	[illegible]	19	19	20	
10597	21	Ereunetes occidentalis	♂ ad.	do	166	298	95	47	24	22	19	
10598	21	" "	♀ ad.	do	174	315	99	47	29	25	21	
10599	21	Melospiza f. fallax	♂ ad.	do	161	210	66	68	13	21	20	
10600	21	Icterus bullocki	♂ ad.	do	207	320	102	88	18	24	23	
10601	21	" "	♀ ad.	do	196	295	91	78	19	24	21,5	
10602	21	Heleodytes brunneicapillus	♂ ad	do	227	292	90	91	27	30	28,5	
10603	21	Melanerpes uropygialis	♂ ad	do	256	427	133	72	28	23	27	
10604	21	Callipepla gambeli	♂ ad.	do	294	382	117	111	12	35	40	
10605	21	" "	♀ ad.	do	296	380	117	117	11,5	33	35	
10606	21	Fulica americana	♂ ad	do	395	680	186	66	47	56	83	
10607	21	Anas strepera	♀ ad.	do	485	840	252	100	40,5	42	54	
10608	21	Anas discors	♂ ad.	do	407	654	195	87	43	35	49	
10609	22	Anas strepera	♂ ad	do	536	920	283	110	43	44	64	
10610	22	Ægialitis semipalmata	♀ ad.	do	286	380	123	64	12,5	24	21	Iris hazel. Bare portion of tibia + feet yellow. Bill orange-yellow and black at tip.

No.	Date 1894 April	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks.
10611	22	Tringa minutilla	? ad.	Gardner's Lagoon, Salton River, Lower California	151	285	88	45	16,5	18,5	19.	
10612	22	Ereunetes occidentalis	♂ ad.	do	163	305	99	50	22	21	18.	
10613	22	" "	♂ ad.	do	158	298	97	44	21,5	22	19,5	
10614	22	" "	♂ ad.	do	164	302	97	50	23	21	18,7	
10615	22	" "	♀ ad.	do	181	319	103	50	28	25	22	
10616	22	" "	♂ ad.	do	164	303	96	47	23	22,5	18,5	
10617	22	" "	♂ ad.	do	165	307	100	49	23,3	23	20	
10618	22	" "	♀ ad.	do	181	330	104	53	27	25	21	
10619	22	" "	♀ ad.	do	177.	322	101	52	26	24	20,5	
10620	22	" "	♂ ad.	do	165	305	98	49	25	23	18	
10621	22	" "	♀ ad.	do	167	310	99	46	28	23,5	19	
10622	22	Chaetura vauxii	♀ ad.	do	120	278	115	43	5,5	12,7	12,7	
10623	22	" "	♂ ad.	do	121	282	118	45	5.5	12	12	
10624	22	Recurvirostra americana	♀ ad.	do	450	775	227	94	88	97	49	260 115. 60. 600.
10625	22	" "	♀ ad.	do								
10626	22	Himantopus mexicanus	♂ ad.	do	374	718	232	85	67	110	45	285 128 84 570.
10627	22	" "	♀ ad.	do	360	693	223	77	63	106	42	265 119 75 547.
10628	22	" "	♂ ad.	do	375	721	233	84	67	116	44	287 125 83. 574
10629	23	" "	♀ ad.	do	360	698	223	79	66	113	43	270 118 75 555
10630	23	" "	♀ ad.	do	364	702	225	80	63	104	41	261 120 75 547
10631	23	Anas cyanoptera	♂ im.	do								
10632	23	Chaetura vauxii	? ad.	do	121	275	115	46	5,3	12	11,8	
10633	23	" "	♀ ad.	do	130	286	120	46	~~7,3~~ 5,3	12.	11,8	
10634	23	" "	♀ ad.	do	134	276	115	44	5,2	12	11,5	
10635	23	Petrochelidon lunifrons	♀ ad.	do	149	294	106	55	8	12,8	17	
10636	23	Stelgidopteryx serripennis	♂ ad.	do	141	312	111	56	7,5	11,4	15	
10637	23	Ægialitis semipalmata	♂ ad.	do	187	384	123	63	12,7	25	21	
10638	23	" "	♀ ad.	do	187	388	124	64	12,5	25,5	20,5	
10639	23	Turdus ustulatus	♂ ad.	do	194	300	98	80	15	30	24	
10640	23	~~Spiza~~ Passerina amoena	♂ ad.	do	150	235	75	64	10	17	18	
10641	23	Guiraca c. eurhyncha	♂ ad.	do	185	294	95	80	16	21	24,5	
10642	23	Lanius l. excubitorides	♂ ad.	do	229	326	103	101	17	28	23.	Approaches slightly to gambeli
10643	24	Himantopus mexicanus	♀ ad.	do								Preserved in alcohol. Metal tags, with same numbers, on them.
10644	24	" "	♀ ad.	do								
10645	24	" "	♀ ad.	do								
10646	24	Recurvirostra americana	? ad.	do								
10647	24	" "	? ad.	do								
10648	24	Ægialitis semipalmata	♀ ad.	do	185	378	121	60	14	24	21	

No.	Date 1894 April	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe + claw	Remarks.
10649	24	Totanus flavipes	♀ ad.	Gardner's Lagoon Lower California, near M. B. L.	268	516	165	70	36,5	57	36.	
10650	24	Dryobates s.	♀ ad.	do	195	332	102	73	21,7	19	19	
10651	24	Chaetura vauxii	♀ ad.	do	125	276	116	43	5,1	12,3	11,5	
10652	24	Habia melanocephala	♂ ad.	do	206	315	101	83	18	21,5	23	
10653	24	Dendroica nigrescens	♀ ad.	do	127	186	59	52	11	18	14	
10654	24	Geothlypis t. occidentalis	♂ ad.	do	132	185	55	53	12,3	22	19	
10655	24	Trochilus alexandri?	♀ ad.	do	98	118	45	26, ~~17~~	19			
10656	24	Harporhynchus crissalis	♂ ad.	do	322	342	108	157	36	35	32	
10657	24	Dendroica townsendi	♀ ad	do	132	195	63	51	10	19	15	
10658	25	Ardea virescens	♀ ad.	do	484	720	202	77	58	53	54	
10659	25	" "	♀ ad.	do	485	720	196	78.	61	55	53	
10660	25	Botaurus exilis	♀ ad	do	360	475	131	48	46	43	48	
10661	25	Helminthophila celata	♂ ad.	do	131	262	65	53	11	18	15	
10662	25	Helminthophila v. gutturalis	♂ ad.	do	143	242	79	59	11,5	20	16	
10663	25	Vireo s. cassini	♂ ad.	do	115	187	58	45	10,5	17	14,5	The first one seen
10664	25	Myiarchus cinerascens	♀ ad.	do	211	300	92	90	19	23	18	Had laid three eggs.
10665	25	Molothrus ater obscurus	♂ ad.	do	185	318	103	77	16	25	24	
10,666	25	Actitis macularia	♀ ad.	do	201	357	115	59	23	22.5	23	
10667	26	Plegadis guarauna	♀ ad.	do	491	865	250	100	103	82	73	
10668	26	Aegialitis vocifera	♀ ad.	do	245	570	167	98	20	36	25,5	Has not laid its eggs
10669	26	Chaetura vauxii	♂ ad.	do	122	278	117	44	5,4	12	12	
10670	26	" "	♂ ad.	do.	118	270	114	42	5.	11,5	11,5	
10671	26	Stelgidopteryx serripennis	♂ ad.	do	~~491~~ 141.	~~865~~ 314.	~~250~~ 102	~~100~~ 55.	~~103~~ 7	~~82~~ 11,5.	~~73~~ 15	
10672	26	Dendroica townsendi	♂ ad.	do	136	213	70	55	10,8	19	15	
10673	26	Tringa minutilla	♀ ad.	do	147	288	91	44	19	19	20	
10674	26	" "	ad.	do								
10675	26	" "	ad.	do								
10676	26	" "	ad.	do								
10677	26	" "	ad.	do								Eight specimens preserved in alcohol.
10678	26	" "	ad.	do								Tied together with one metal tag (No. 3345)
10679	26	" "	ad.	do								
10680	26	" "	ad.	do								
10681	26	" "	ad	do								
~~10682~~	27	Olocoris a.	♂ ad.	do	179	329	107	76	13	21,5	17,5.	Mr. Holzner's specimen.
	27	Macrorhamphus scolopaceus	♂ ad.	do	286	468	148	65	62	38	32	do
	27	Heteroactitis "	♀ ad.	do	292	483	148	63	72	42	33	do
10682	27	~~Totanus~~ incanus	♀ ad.	Lagoon of Dalton River near monument No. 218.	298	560	185.	85	41	36	34.	Iris grayish brown Bill [illegible] has
10683	27	Tachycineta bicolor	♂ ad.	do	150	325	120	63	7	12	16.	legs & feet greenish yellow

No	Date 1894 April	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe claw	Remarks
10684	27	Tringa minutilla	♂ ad.	Lagoon of Salton River near monument No. 218.	154	292	90	46	18	19	20	
10685	27	Ereunetes occidentalis	♂ ad.	do	166	303	94	47	23	22,5	19.	
10686	27	" "	♀ ad.	do	179	322	102	49	27	24	20.5	
10687	27	" "	♀ ad.	do	180	327	103	49	28	25	22	
10688	27	" "	♀ ad.	do	173	310	98	47	26,5	23,3	19,3	
10689	27	Merula m. propinqua	♀ ad.	do	253.	411	134	109	20	23	30.	
10690	27	Himantopus mexicanus	♂ ad.	do	373	698	226	81	63	113	41	274. 123. 79. 565
10691	27	" "	♀ ad.	do	373	697	226	82	68	112	43	272 122 79 560
10692	28	Phalaropus tricolor	♀ ad.	Unlucky Lake, New River, San Diego Co., Cal.	243	434	134	59	33[33]	34.5	28	
10693	28	" "	♀ ad.	do	250	441	139	61	36	34	30	
10694	28	" "	♂ ad.	do	225	400	126	59	31.5	33	29.5	
10695	28	" "	♀ ad.	do	249	447	143	63	34	34	29	
10696	28	" "	♀ ad.	do	254	440	138	63	33	35	30	
10697	28	" "	♀ ad.	do	238	418	132	59	31.5	31	28	
10698	28	" "	♀ ad.	do	257	460	144	68	34	36	32	
10699	28	" "	♀ ad.	do	255	458	141	66	35	35	30	
10700	28	" "	♂ ad.	do	222	400	125	57	30	31	29	
10701	28	" "	♀ ad.	do	243	449	137	63	32	34.5	29	
10702	28	Pelecanus erythrorhynchus	♀ ad.	do	1415	2360	575	195	300	113	118	Contained an egg 40 mm in diameter. 78
10703	29	Colymbus n. californicus	♂ ad.	do	326	565	133	43	25	43	51	
10704	29	Recurvirostra americana	♀ ad.	do	441	750	226	96	81	90	45	242; 104; 58.
10705	29	" "	♀ ad.	do	449	750	223	100	86	92	46	248; 111; 62.
10706	29	" "	♀ ad.	do	454	768	228	102	90	97	49	266; 121; 60.
10707	29	Ægialitis semipalmata	♂ ad.	do	180	375	122	62	13.5	20	21	
10708	29	Anthus pensilvanicus	♀ ad.	do	167	273	87	70	12	23	20	
10709	29	Phalaropus tricolor	♀ ad.	do	242	434	137	64	32	35	31	
10710	29	" "	♀ ad.	do	250	430	135	67	33	32.5	29	
10711	29	" "	♂ ad.	do	231	412	132	61	31	32	29	
10712	29	" "	♀ ad.	do	249	442	140	64	33	32	28	
10713	29	" "	♀ ad.	do	243	439	137	61	33	32	29	
10714	29	Hirundo erythrogastra	♀ ad.	do	173	321	118	86	8.5	10.3	16	
10715	29	" "	♂ ad.	do	191	318	118	103	8.5	12	17	
10716	29	" "	♂ ad.	do	198	335	125	105	8	12	18	
10717	29	" "	♂ ad.	do	173	318	119	83	7.5	11.5	16.2	
10718	29	" "	♀ ad.	do	167	315	117	76	8	11.2	18.5	
10719	29	" "	♂ ad.	do	180.	325	120	93	8	10.7	16.5	
10720	29	" "	♂ ad.	do	178	314	120	87	8	11	16.3	
10721	29	Petrochelidon lunifrons	♂ ad.	do	151	216	114	8.2	12.5	18		
10722	29	Chaetura vauxii	♀ ad.	do	123.	286	120	46	5.3	11.8	11	

No	Date 1894 April	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe & claw	Remarks.
10723	29	Recurvirostra americana	♂ ad.	Kentucky Lake, New River, San Diego County, California	472	792	238	99	96	100	46	264; 125; 64
10724	29	Himantopus mexicanus	♀ ad.	do	362	680	220	77	66	104	42	260; 116; 76
10725	29	" "	♀ ad.	do	369	693	220	82	63	100	42	242; 103; 66
10726	29	Plegadis guarauna	♀ ad.	do	519	902	256	97	108	84	73	268; 117; 51
10727	29	" "	♂ ad.	do	603	997	281	120	140	100	83	326; 141; 64
10728	29	" "	♀ ad.	do	530	907	260	105	112	86	78	285; 118; 52.
~~10729~~	30	~~Anas cyanoptera~~	♀ ad	do	299	626	186	84	45	34	45	Not skinned-
10730	30	Dendrocygna fulva	♂ ad.	do	493	855	222	80	45.5	60	81	Sexes positively determined. Females appear to be as large as males. Holzner & I killed 8 of a flock of twenty Tree Ducks.
10731	30	" "	♂ ad.	do	480	878	225	85	46	58	76	
10732	30	" "	♀ ad.	do	508	910	235	80	50	60	84	
10733	30	" "	♀ ad.	do	489	904	235	82	50	59	85	
~~10734~~	30	~~Fulica americana~~	♀ ad	do	367	640	180	57	40	54	79	Not skinned.
10735	30	Ardea virescens	♂ ad.	do	495	745	207	79	62	54	56	
~~10736~~	30	~~Ereunetes occidentalis~~	~~ad.~~	do								Not skinned numbers entered again below
~~10737~~	30	" "	~~ad.~~	do	174	326	103	51	29	23	20.5	
~~10738~~	30	" "	~~ad.~~	do								
10739	30	Plegadis guarauna	♂ ad.	do	595	1000	284	116	132	110	90	Males are larger than females
10740	30	Pyrocephalus r. mexicanus	♂ im	do	~~171~~							
10741	30	Zonotrichia intermedia	♀ ad	do	171	240	78	76	11	21	22	
10742	30	Stelgidopteryx serripennis	♂ ad	do	145	312	114	59	7	11.5 ~~11.5~~	14.4 ~~11.~~	
10743	30	Chaetura vauxii	♂ ad.	do	119	277	115	41	5.	11.2	11	
10744	30	Chordeiles texensis	♂ ad.	do	235	575	200	118	7.3	15	20	
10745	30	Phalaropus tricolor	♀ ad	do								
10746	May 1	Callipepla gambeli	♂ ad.	do	288	372	118	112	12	35	37	
10747	2	Ardea virescens,	♀ ad.	do	500	760	210	85	61	54	57	Iris yellow, face & lower edge of mandible yellow, rest of mand. black. Legs & feet yellow with claws front of tarsus & upper surfaces of toes olive
10748	2	Plegadis guarauna	♀ ad.	do	505	887	252	102	106	88	71	
10734	2	Guiraca c. eurhyncha	♂ ad	do	185	289	91	74	15	20	22	
10736	2	Dendroica auduboni	♀ ad.	do	Not measured							
10737	2	Turdus ustulatus	♂ ad.	do	195	305	100	81	13.5	30.5	24.	
10738	2	Larus	♀ ad.	do	357	812	267	110	30.5	37.5	38	
10749	2	"	♀ ad. ?)	do	342	785	248	99	29.5	31.5	36	
10750	3	Larus	♂ ad.	do	507	1270	391	165	46	59	49	
10756	3	Plegadis guarauna	♀ ad.	do	513	890	255	102	111	90	75	
10751	3	Phalaropus tricolor	♂ ad.	do	229	410	129	61	31	31	28	
10752	3	" "	♀ ad.	do	243	438	137	62	35	36	29	
10753	3	Totanus melanoleucus	♀ ad.	do	354	630	200	88	56	61	40	
10754	3	Anthus pensilvanicus	♀ ad	do	167	265	86	69	11.2	22	19	
10755	3	Turdus ustulatus	? ad.	do	192	307	100	80	14	30	24	
~~10756~~												

No.	Date 1894 May	Name	Sex and Age	Locality	Length	Alar Expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10757	3	Xanthocephalus xanthocephalus	♀ ad.	New River, Laguna Station, San Diego Co., California	223	363	117	87	20,8	30	30	
10758	3	" "	♀ ad.	do	224	360	118	88	21	32	32	
10759	3	" "	♀ ad.	do	231	372	121	97	19,7	32	31	
10760	3	" "	♀ ad.	do	230	377	122	91	20	31	31	
10761	3	" "	♀ ad.	do	229	370	120	92	21	31	31	
10762	3	Corvus c. sinuatus	♂ ad.	do	620	1265	420	252	67	70	67	
10763	3	Himantopus mexicanus	♀ ad.	do	372	713	229	65	64,5	108	43	269; 123; 78; 550.
10764	4	Fulica americana	♂ ad.	do	397	710	202	67	45	62	85	
10765	4	Anas cyanoptera	♂ ad.	do	405	647	195	89	43	34,5	46	
10766	4	Erismatura rubida	♀ ad.	do	380	600	154	91	40	36	67	
10767	4	Actitis macularia	♂ ad.	do	196	335	107	53	23,5	25	22,8	
10768	4	Sayornis nigricans	♂ ad.	do	186	285	91	82.	15	18	15,5	
10769	4	~~Habia~~ Guiraca c. eurhyncha	♂ ad.	do	180	289	92	78	15,3	20,5	23.	
10770	4	" "	♀ ad.	do	176	283	89	74	15	20,7	23	
10771	4	~~Cyanospiza~~ Passerina amoena	♀ ad.	do	142	216	68	56.	10	17	17,7	
10772	4	Empidonax difficilis?	♂ ad.	do	142	213	67	63	11	16,5	12,5	
10773	4	Petrochelidon lunifrons	♂ ad.	do	138	324	115	59	8	13	17,5	
10774	4	Chaetura vauxii	♀ ad.	do	116	269	115	43,5	10,4	11	11,5	
10775	4	Sylvania p.	♀ ad.	do	128	177	57	49	8	20	14,4	
10776	4	Polioptila melanura	♂ ad.	do	117	155	47	54	9,5	17,5	12,5	
10777	4	Xanthocephalus xanthocephalus	♂ juv.	do								
10778	4	" "	♂ juv.	do								
10779	4	" "	♀ ad.	do	224	365	119	90	20	30	31	
10780	5	Callipepla gambeli	♂ ad.	do	285	377	118	104	10.5	33	38	
10781	5	Habia melanocephala	♂ ad.	do	210	326	116	89	17	24	24	
10782	5	Turdus ustulatus	♂ ad.	do	189	300	100	77	14	28.5	24	
10783	5	Contopus richardsonii	♂ ad.	do	163	274	92	72	14	14	13.5	
10784	5	Pyrocephalus r. mexicanus	♂ ad.	do	150	267	82	63	13	16.7	15	
10785	5	Vireo gilvus	♂ ad.	do	138	217	69	50.5	10.5	18	13.5	
10786	5	Dendroica aestiva	♀ ad.	do	128	189	59	46	10	18	15	
10787	5	Chordeiles texensis	♀ ad.	do	220	540	193	114	6.5	14	19.5	
10788	5	Guiraca c. eurhyncha	♂ ad.	do	188	303	96	82	16	21	26	
10789	5	Heleodytes brunneicapillus	♂ ad.	do	215	274	90	92	23	27	26	
10790	6	Erismatura rubida	♀ ad.	do	390	675	148	92	41	33	64	
10791	6	Dendroica townsendi	♂ ad.	do	133	207	69	52	10	18,5	15.	
10792	7	Harporhynchus lecontei	♂ ad.	Western border of Colorado Desert at foot of Coast Range	288	133	102	130	31	32,7	30,7	There were half a dozen or more of these birds. The five that Mr. Holzner & I shot proved to be an adult and 4 young of the year. They belonged to more than one family.
10793	7	" "	♂ juv.	do								

No.	Date 1894 May	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10794	7	Icterus	♀ ad	Western border of Colorado Desert at foot of Coast Range Mts, Cal.	197	293	92	79	19,5	24	23	
10795	7	Callipepla californica	♀ ad	Lowest water Mt. Sp[rin]gs Canon Coast Range San Diego Co., Cal.	154	345	108	87	9	30	32,5	-
~~10795~~	Callipepla gambeli was last seen at Laguna Station on New River. C. californica appeared at the foot of the Coast Range of Mts.											
10796	8	[illegible]	♀ ad	do	100	123	49	32	16,5			
10797	8	Carpodacus m. frontalis	♀ ad	do	145	230	75	62	10,3	17,3	18	
10798	8	Callipepla californica	♂ ad.	do	260	346	108	91	10.6	30.5	33	
10799	8	" "	♀ ad.	do	253	344	107	82	9.8	31	34	
10800	9	Buteo borealis calurus	♀ ad.	Second Water in Mt. Spgs. Canon Coast Range Mts. San Diego Co., Cal.	590	1370	425	250	29	89	70	Nest contained one young Hawk, & a huge lizard
10801	9	" " "	juv.	do								Not skinned.
10802	9	Turdus ustulatus	♂ ad	Mountain Spring, San Diego Co., California	197	304	100	81	14,3	29	24	
10803	10	Callipepla californica	♂ ad.	do	271	355	108	102	9,5	31	35.	
10804	10	" "	♂ ad.	do	270	361	112	98	10	32	35	
10805	10	" "	♀ ad.	do	266	343	105	98	9,7	32,5	36	
					Metal tag No. 3357.							
10806	10	" " ?	? juv.	do	A young bird found dead beside the spring. Preserved in alcohol.							
10807	11	Dendroica aestiva	♂ ad.	do	133	204	65	50	10.7	19	15	
10808	11	" "	♂ ad.	do	134	188	61	47	10,4	18,5	14	
10809	11	Callipepla californica vallicola	♂ ad.	do	272	364	113	89	11,2	32.	37.	
10810	11	" "	♀ ad.	do	258	353	101	87	10	30,5	33,2	
10811	11	" "	♀ ad.	do	262	350	108	91	11,2	31,8	33,5	Parents & young.
10812	11	" "	♂ ad.	do	266	360	112	95	10	31,5	34	
10813	11	" "	♀ ad.	do	261	360	113	93	10,4	31	34	
10814	11	" "	? pullus	do								
10815	11	Amphispiza bilineata	♂ ad.	do	139	215	66	63	11,5	18	17	
10816	11	Turdus ustulatus	♂ ad.	do	200	316	105	82	14,4	30	24,5.	
10817	11	Trochilus alexandri ?	♂ juv.	do								
10818	11	Myiarchus cinerascens	♀ ad.	do	214	313	97	93	17,4	23	18	
10819	11	Heleodytes b.	♂ ad.	do	222	305	93	90	24	31	26	
10820	11	Salpinctes o.	♂ ad	do	149	235	75	57,5.	18	21	18.	
10821	11	Carpodacus frontalis	♂ juv.	do								
10822	13	Callipepla c. vallicola	♂ ad.	do	272	367	115	91	10.3	32	36.5	
10823	13	" " "	♂ ad.	do	261	342	109	87	10	30	34	
10824	13	" " "	♂ ad.	do	260	348	109	91	10.5	31	34.3	
10825	13	Merula m. propinqua	♀ ad.	do	255	405	131	106	19.3	32	29	
10826	13	Turdus ustulatus	♀ ad.	do	190	296	98	77	14	28	22.5	
10827	13	"	♂ ad.	do								
10828	13	Salpinctes obsoletus	♂ ad.	do	152	238	75	59	19	20.7	19.6	
10829	13	Empidonax pusillus	♂ ad.	do	151	226	73	64	13	17.5	15	
10830	13	Piranga ludoviciana	♂ ad.	do	190	301	98	77	15.5	20	20	

(Record of Specimens continued on page [illegible])

To Annie Judkins Mason.

Of all the sweet-voiced birds at Clark
That waken music twixt dawn and dark
'Mongst all the numerous birds of Texas
Whose ways and notes so much perplex us
There's none in all that vocal choir
Whose strains my ears so much admire
Not one that makes me feel the power
Of sunshine, woodland, leafy bower,
Of rock, and rill, and forest flower,
Or love to spend a wand'ring hour
Like little Annie Mason.

I see her now, though far away
At Hancock, where I hate to stay—
This pretty maid, with springy tread,
And nothing on her feet or head,
Playing with hose-pipe, ducking the parrot,
Romping through house from cellar to garret,
Playing long half-hours on new violin
And wondering why loafing's considered a sin.
Divided my affections they ever will be
Twixt "Winkum", "Uncle Gary", our little "Killdee",
And my sweet Annie Mason.

I send her hence this little book,
By John B. Grant, who ne'er mistook
The Nighthawk for the Whippoorwill,
Who knows the shape of each bird's bill,
Sees beauty in the Redstart's wing,
Much to admire in 'most everything,
But never yet saw aught so true
As Annie's eyes of heaven's blue
That on the 28th of June
Shone out on earth—a precious boon
To John and Lucy Mason.

The East Wind.

1.

I'm riding, now, on horseback, across a desert plain,
And signs of habitation are looked for here in vain.
The glistening sand's around me, the wind is blowing high,
Though not a cloud of heaven obscures the azure sky.
To most, there's small attraction about this waste of sand
Which once old Ocean's waves rolled o'er and now is dryest land.
One might suppose a human soul, ~~cast on~~ upon a spot so drear
Might be cast down—oppressed, by thoughts at once grotesque & queer;
But such is not the case with me, the reason, you must see:
'Tis that I've thoughts of Lillian,—the child so dear to me.

2

She may be on her way to school, this same east wind a-blowing,
The sky, perchance, is not so clear, it even may be snowing.
Her cheeks are of a rosy red, her step is light and free,
She wears a smile upon her face, perhaps she thinks of me?
It must be so, for even now her ruby lips, I see,
Are pursing up to make a kiss to send out here to me.
She holds her books in her left hand, which leaves the ~~left~~ right one free
To start the kiss upon its way, and send it straight to me.
"Take that, East Wind," she softly breathes, "and give it to my dad,
"And tell him that I love him true and wish him never sad."

3

"He's far away, on deserts wide, beneath a burning sun;
But, oh! I wish that he were here, for it would be such fun
To tell him all about our lives, and all the 'kids' we know,
And how we coast, and skate, and slide, and frolic in the snow.
He'd talk to us of pleasant things, and take us out for drives,
And kiss us in our trundle-beds, and love us all our lives.
He'd let us sit upon his knee, and tell us where he'd been,
'Mongst wolves, and bears, and deer and things, in haunts of savage men
Of Indians, who live in huts, and always fought the whites
And drove them from their homes and lands—to whet their appetites."

(over)

4

I used to hate the east wind that blew from off the ocean,
So fierce and raw, so bleak and cold. I always had a notion
It made me nervous – filled my mind with apprehensions, doubts
Concerning – Is this world of ours worth living in, with all its ins + outs?
Freighted it seemed with human ills – consumption, pharyngitis,
Pneumonia, coryza, hacking coughs, pleurisy and bronchitis;
But, here, I love the east wind that comes across the land
From where my little daughter lives to this blank waste of sand,
Bearing sweet messages from her, while every breath, I ween,
May bring a kiss from Lillian, who is my heart's own queen.

Ardea herodeas. – This heron has been found everywhere along the Mexican Boundary Line where there were waters containing the fishes ~~and~~ or batrachians upon which it feeds. Occasionally some were seen on dry plains, such as the animas near Lang's Ranch, during the dry period. Though myriads of Great Blue Herons were seen along the Lower Gila and on the Colorado from the Gila to the Gulf of California no nests were found until April 14th, 1894, when a rookery of Great Blue Herons was discovered in a lagoon of Salton River ~~near Alamo~~ at ~~Gordon's Lagoon~~. It was situate in a shallow lagoon, the nests, about 50 in number being placed on a grove of dead mesquite-trees which the overflowing by water had killed. Probably the rookery had been occupied for several years, as some of the nests were bulky + contained ~~dead~~ decayed material. As I approached the spot, on horseback, I was surprised at the tameness of the Herons, which was inexplicable until I discovered that they were standing upon the trees containing their nests. Tying my horse, I waded into the centre of the colony, the birds nearly all left the spot and flew away to a distant shore or else croaked as they soared above ...

Sent to Pasadena

A flock of Cormorants flew from beneath the trees and numbers of ducks and Ibises were put to flight. Climbing with difficulty through the brittle spiny branches to a nest at the top of a ~~[illegible]~~ tall mesquite I was able to get a pretty comprehensive view of things. The trees along the opposite shore held about fifty of these picturesque birds and about as many more were flying about ~~with~~ uttering loud hoarse croaking. Only one bird was brave enough to remain upon its nest, and that one stayed until I made a trip back to the shore and returned and shot it so that it fell upon its eggs four in number, and then remained until I climbed to the nest and got the old bird + its four eggs (Set $\frac{B}{4}$). Many nests were examined, and nearly all contained 3 eggs or young ones apiece. In several instances there were four eggs or young, and a few nests contained but two. Most of the young were but recently hatched being only a day or two old, though two half-grown young were standing up in a nest until I fired the shot that killed the old female when both of them dropped out of sight + hid closely in the bottom of the nest. One of these half-grown birds (No. 10545). was killed. The other dropped from the nest ~~catching~~ clutching branch after branch in its fall until at last it tumbled into the water which reached to its body. It swam and waded to a clump of driftwood where it hid, and escaped as I made no special effort to catch it. The very young birds (Nos: 10,546 to 10548) were less than a day old. One was from a nest containing a cracking egg, and a young one not yet dry. The remaining two were from one nest which also contained a hatching egg.

(59.7 + 44.7.-

The nests were composed entirely of mesquite twigs broken from the dead trees in which they were built. They were large, slightly hollowed platforms of sticks, the outside ones being coarse and the top ones, upon which the eggs or young rested small & neatly placed. The largest nests measured a metre in diameter by half a metre in thickness. The trees were covered with the chalky excrement of the birds. A few nests had fallen the supporting branches having been ~~blown~~ broken off by high winds. There had been some recent casualties from this source.

Fifteen eggs were taken from five nests. They are pale greenish blue, mottled with a chalky deposit, and measure as follows:-

Set	A/3	59.7 × 45.8	61 × 46	63.2 × 46.8	
Set	B/4	67. × 46.	64.6 × 46.6.	65.3 × 45.8	63. × 44
Set	C/2	63 × 45.5;	63.3 × 46.		
Set	D/3	65.6 × 46.6.	63.8 × 45.	61.9 × 46.9	
Set	E/3	61 × 42.5	64 × 42.	62 × 43.	

The nests were placed at all distances above the water, wherever the branches would support a nest. The highest were on the mesquite-tops - about 20 feet above the water. The largest young ones struck out viciously at me with their bills as soon as my hands & head were within reach, though their bills were too soft to do ~~you~~ much harm. The small ones kept up a constant crying for food, and took the tip of my fingers in their mouths when I went to take them out of their nests.

[margin, pencil: Sent to Bendire]

Note on the coloration of soft parts in Ardea egretta and Ardea candidissima (Nos. 10552 to 10555) taken at Seven Wells, Lower California, on April 16th, 1894

Ardea egretta has a yellow bill and all black feet, whereas Ardea candidissima has a black bill and yellow feet (all but tarsus).

Ardea egretta (Nos. 10552 ♂ ad and 10,553 ♀ ad.). Molting. Plumes beginning to sprout well. Iris straw-color. Bare space around and in front of eye and at base of maxilla greenish yellow, more greenish around the eye. Bill yellow, with dusky plumbeous on ridge of maxilla towards tip. Bare portion of tibia, feet & claws black.

Ardea candidissima (Nos. 10554 ♂ ad and 10555 ♀ ad.). Both in breeding plumage with nuptial plumes well developed. Bare space around and in front of eye and at base of maxilla greenish yellow, more greenish around the eye. Iris deeper yellow than in A. egretta with the outer circumference orange. The bare portion of tibia and tarsus is black, the remainder of the feet being greenish yellow.

No.	Date 1894 May	Name (Continued from p. 272)	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10831	13	Dendroica nigrescens	♀ ad.	Mountain Spring, San Diego Co., California	130	198	63	52	11	18	15	
10832	13	Phainopepla nitens	♂ ad.	do	206	298	95	98	12	18	18.5	
10833	13	" "	♀ ad.	do	208	295	95	100	11.8	17	18	
10834	14	Dendroica townsendi	♀ ad.	do	132	202	66	64	11	18	15	
10835	14	Turdus ~~t.~~ ustulatus?	♀ ad.	do	188	288	97	76	13.5	27	22.5	
10836	15	Zenaidura macroura	♂ ad.	do								Parents with set of 2 eggs.
10837	15	" "	♀ ad.	do								
10838	15	Turdus ustulatus	♀ ad.	do	184	292	94	76	14.7	28.5	23	
10839	15	Pipilo chlorurus	♀ ad.	do	182	247	76	83	12.2	24	23	
10840	15	Pipilo f. crissalis	♂ ad.	do	229	295	96	115	15	24.5	26	
10841	15	Piranga ludoviciana	♂ ad.	do	194	307	99	78	16	21	20	
10842	15	Dendroica occidentalis	♀ ad.	do	125	200	64	53	10.3	18.7	15.5	
10843	15	Vireo gilvus	♀ ad.	do	131	208	65	51	10	18.	13.5	
10844	15	Amphispiza bilineata	♀ ad.	do	141	212	64	61	11	19.5	17.	
10845	15	Carpodacus m. frontalis	♂ ad.	do	162	260	82	70	11	18	18.7	Parent & young. Killed at a single shot.
10846	15	" " "	♀ juv.	do								
10847	15	" " "	♀ juv.	do								
10848	15	" " "	♂ ad.	do	154	251	82	64	11.5	16	18	Parent & young. Killed at a single shot.
10849	15	" " "	♀ juv.	do								
10850	15	" " "	♀ juv.	do								
10851	16	Callipepla c. vallicola	♂ ad.	Summit Coast Range Mts. Altitude 3500 feet aneroid	261	351	108	91	19.5	31	33.5	
10852	16	Geothlypis macgillivrayi	♂ ad.	do	142	190	60	60	11.-	20	17	
10853	16	" "	♀ ad.	do	135	177	55	54	10	20	17.3	
10854	16	Icterus parisorum	♂ ad.	do	216	324	106	93	22.4	22.5	25.	
10855	16	Aphelocoma californica	♀ ad.	do	280	368	120	140	22.5	35.5	29.	
10856	16	Turdus ustulatus	♀ ad.	do	193	306	100	78	13.3	29	24	
10857	17	Lanius l.	♂ ad.	Mountains west of Coast Range divide (6 m. w. of Mt. Spring).	238	334	105	115	17	27	23	
10858	17	Otocoris alpestris ?	♂ ad.	Jacumba. do	175	323	103	72	12.8	22	19	
10859	17	" " "	♀ ad.	do	163	305	97	64	12.3	21	16.	
10860	17	Chordeiles texensis	♀ ad.	Mountains west of Coast Range Divide (6 m. W. Mt. Spg.).	228	538	186	109	6	14	17.5	
10861	17	" "	♂ ad.	do	229	555	192	113	6	15	17.5	
10862	17	Nycticorax n. naevius	♂ ad.	Jacumba, San Diego Co., Cal.	653	1170	320	127	78	86	88	
10863	17	Scolecophagus cyanocephalus	♂ ad.	do	250	405	132	111	21.2	33.6	28	
10864	17	Sturnella	♂ ad.	do	260	428	133	90	33	39	33.5	
10865	17	Icterus bullockii	♂ ad.	do	203	313	100	82	18.7	24	23	
10866	18	Psaltriparus m. californicus	♂ ad.	do	113	150	48.	58	7	16.5	12.5	Belonged to one family.
10867	18	" " "	♀ ad.	do	109	148	47	55	6.5	16	11	
10868	18	" " "	♀ juv.	do								

No	Date 1894 May	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10869	18	Pipilo f. crissalis	♀ ad.	Tacumba, San Diego Co., Calif.	227	285	89	108	15,2	27	24	
10870	18	" " "	♂ ad.	do	217	292	90	108	17	28	27	
10871	18	" " "	♂ ad.	do	230	304	98	113	17,2	26	26	
10872	18	" " "	♂ ad.	do	227	303	97	114	15,8	26	25,5	
10873	19	" " "	♂ ad.	do	225	298	96	110	15,3	27	25	
10874	19	" " "	♀ ad.	do	224	295	94	109	15	27	25.	
10875	19	" " "	♀ ad.	do	213	283	92	107	15	25	24,5	
10876	19	" " "	♂ ad.	do	224	292	97	110	15,3	28	26,5	
10877	19	Harporhynchus redivivus	♀ ad.	do	313	336	104	138	35.	38,5.	34	
10878	19	" "	♀ ad.	do	312	331	103	138	36	36	34.	
10879	19	Aphelocoma californica	♀ ad.	do	298	387	122.	143	26,5.	38	31	
10880	19	Sialia mexicana	♂ ad.	do	181	340	115	74	13	20,7	20,5	Found nest and fresh eggs, set incomplete, in cottonwood-tree.
10881	19	" "	♀ ad.	do	177	327	109	70	13,5	22	21,3.	A mated pair, with nest.
10882	19	Psaltriparus m. californicus	♂ ad.	do	106	150	49	57,5	7,5.	16	12	
10883	19	" " "	♂ ad.	do	113	153	49	56	7.	16	11,5.	
10884	19	" " "	♂ ad.	do	114	150	49	60	7	16,3	12,2	
10885	19	" " "	♀ ad.	do	108	143	57	50	7	16	11,2.	
10886	19	" " "	♂ ad.	do	116	152	49	57	6,8	16	12	
10887	19	Scolecophagus cyanocephalus	♀ juv. (nestling)	do	Just from nest.							
10888	20	Aphelocoma californica	♂ ad.	do	305	390	123	145	26	38	31	
10889	20	" "	♀ ad.	do	292	380	122	136	24	38,5	29,5	
10890	20	Tachycineta thalassina	♂ ad.	do	135	313	117	52	5	11	13	
10891	20	" "	♀ ad.	do	131	299	113	48	5,7	10	14	
10892	20	Stelgidopteryx serripennis	♀ ad.	do	142	296	107	55	7,3	11,7	15,5	
10893	20	Contopus borealis	♂ ad.	do	200	340	113	82	18,5	15	18	
10894	20	Contopus richardsonii	♀ ad.	do	158	254	85	66	13	13	12	
10895	20	Empidonax difficilis	♀ ad.	do	142	212	66	59	11	16	13,5.	
10896	20	Pipilo fuscus crissalis	♀ ad.	do	220	282	87	106	15,5	26,5	25.	
10897	21	Harporhynchus redivivus	♀ ad.	do	306	323	100.	135	35	36	32	
10898	21	" "	♀ juv.	do								
10899	21	Trochilus costae	♂ ad.	do	91	115	44	25.	18	4	6	
10900	21	" "	♀ ad.	do	91	117.	45	25	19	4	6	
10901	21	Icterus bullocki	♂ ad.	do	202	320	101	83	20	25	24	
10902	21	Carpodacus m. frontalis	♂ ad.	do	154	249	78	65	11,7	18	19,5	
10903	21	Myiarchus cinerascens	♀ ad.	do	214	320	100	97	18,7	22,5	17	
10904	21	Pipilo m. megalonyx	♂ ad.	do	210	280	90	102	14	28	28	
10905	21	Turdus ustulatus	♀ ad.	do	189	305	100	76	13	28,5	23	
10906	21	Psaltriparus m. californicus	♂ juv.	do								Quite young.

No	Date 1894 May	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and Claw	Remarks
10907	22	Callipepla c. vallicola	♂ ad.	Tacumba, San Diego Co, Cal.	265	354	101	92	10,3	30	35	
10908	22	Aphelocoma californica	♂ ad.	do	315	407	132	153	26,5	40	31	
10909	22	Tyrannus verticalis	♂ ad.	do	231	407	134	104	20	18,3	21	
10910	22	Harporhynchus redivivus	♀ juv.	do								
10911	22	Calypte costae	♂ ad.	do	87	113	45	25	17			
10912	22	Oreortyx p. plumiferus	♂ ad.	near do	306	465	140	97	14	40	37	Presented by Luis R. Servin
10913	23	Sylvania pusilla	♀ ad	do	125	171	54	51	9,1	19	14,7	
10914	23	Habia melanocephala	♂ juv	do								
10915	23	Empidonax pusillus	♂ ad.	do	152	225	70	63	13	17	15	
10916	23	Vireo gilvus	♂ ad.	do	137	214	67	53	11,7	18	14,4	
10917	23	Polioptila caerulea	♂ ad.	do	121	160	50	52	11	16,5	12	
10918	23	Aphelocoma californica	♂ ad.	do	303	393	126	144	27,5	38	32	
10919	~~24~~ 23	Otocoris a.	♂ ad.	do	177	320	103	66.	13,5.	22	18	
10920	~~24~~ 23	" " "	♂ ad.	do	175	318	103	74,5	12.	20	17.	
10921	~~24~~ 23	" " "	♂ ad.	do	176.	323	104.	~~73~~ 70.	~~21~~ 13	~~18~~ 21	18	
10922	~~24~~ 23	" " "	♀ ad.	do	157	296.	94	60	12	20	17.	
10923	~~24~~ 23	" " "	♀ ad	do	170	303	97.	64	13	21	17	
10924	~~24~~ 23	" " "	♀ ad.	do	168	302	97	68	12,5	20,5	17.	
10925	~~24~~ 23	" " "	♂ juv	do								
10926	23	" " "	♀ juv.	do								
10927	26	Sturnella	♂ ad.	do	259	430	130	87.	35.	40,5.	36.	x Nested pair taken with nest & 4 eggs. Female shot as she flew from her nest in a tussock of grass.
10928	26	"	♂ ad.	do	250	416	129	83.	32	40	34.	
10929	26	"	♀ ad.	do	228	385	118	73	29	34,5.	33	x
10930	26	"	♀ ad	do	229	383	115	70	31	38,5	32	
10931	26	Agelaius	♂ ad.	do	241	400	131	100	25	31	29,5.	
10932	26	"	♂ ad.	do	235	392	128	100.	13	32	29	
10933	26	"	♀ ad.	do	213	335	109	85	20,5.	27.	27.	
10934	26	"	♀ ad.	do	203	335	107	83	20	27.	27,5.	
10935	26	Sturnella	♂ juv.	do								
10936	26	Petrochelidon lunifrons	♂ ad.	do	149	303	110	55.	8	13	17	
10937	26	Otocoris	♂ juv.	do								
10938	26	Pipilo megalonyx	♂ ad.	do	218	285	89	103	15,5	28	29	
10939	26	Lanius l.	♀ ad.	do	231	320	101	106	16	28	23	
10940	26	"	♀ juv.	do								
10941	26	Aegialitis vocifera	♀ ad	do	~~97~~ 258	~~176~~ 500	~~44~~ 167	~~25~~ 105	~~17~~ 19	36	26	
10942	26	Calypte costae	♀ ♂ ad.	do	93	115	44	27	18,5			
10943	26	" "	♂ ad	do	91	116	44	25	17			
10944	26	" "	♀ juv.	do								
10945	26	Trochilus alexandri!	♂	do	103	125	48	30	19			

No.	1894 May	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10946	26	Calypte costae	♂ juv.	Jacumba, San Diego County, California								
10947	27	" "	♂ juv.	do								
10948	27	Habia melanocephala	♂ ad.	do	214	229	104	85	18	24	23	
10949	31	" "	♂ juv.	Haydon's Ranch, San Diego Co., California								
10950	June 1	Pipilo f. crissalis	♂ ad.	Nachoguero Valley, near Mon. 237 Lower California	236	315	103	120	16	26	25,7	
10951	1	Polioptila c. californica	♂ ad.	Nachoguero do	119	162	49	52	10,7	18,5	12,5	
10952	1	Chamaea fasciata	♂ ad.	do	165	186	60	83	10.5	25.2	18	
10953	1	Myiarchus cinerascens	♂ ad.	do	225	343	105	105	19.7	22.5	19	
10954	1	Empidonax pusillus	♀ ad.	do	146 ~~165~~	215 ~~277~~	66 ~~92~~	61 ~~70~~	12 ~~13.3~~	17 ~~13~~	15 ~~13~~	
10955	1	Psaltriparus m. californicus	♂ ad.	do	113	146	49	55	7	15.7	11.3	
10956	1	Contopus richardsonii	♂ ad.	do	165	277	92	70	13.3	13	13	
10957	3	Parus inornatus	♂ ad.	do	146	226	71	63	11.3	21	17.5	
10958	4	" "	♀ ad.	do	147	229	72	65	12	21	17,7	
10959	4	" "	♀ ad.	do	150	230	69	65,5	12	21	18	
10960	4	" "	♂ ad.	do	151	233	72	64	12	22,3	19	
10961	4	" "	♂ ad.	do	155	240	77	69	12	22	19	
10962	4	Psaltriparus m. californicus	♂ ad.	do	115	150	49	57,5	7	17.	11,5	
10963	4	Polioptila plumbea?	♀ ad.	do	120	161	49	50	10,5	17,5	11,5	
10964	4	Polioptila c. californica	♂ ad.	do	120	165	57	53	11	17.	12	
10965	4	Thryothorus b. spilurus	♀ ad.	do	135	177	55	58	15,5	18	16	
10966	4	Chamaea fasciata henshawi	♂ ad.	do	173	200	65	90	11	25	18,7	
10967	4	Colaptes cafer	♂ ad.	do	333	535	164	123	42	33	35	
10968	4	" "	♂ juv.	do								
10969	4	Sturnella neglecta	♂ ad.	do	248	422	127	78	33	38	34	~~Cheeks yellow~~. Cheeks yellow.
10970	4	Aphelocoma californica	♀ ad.	do	279	369	117	133	26	39	31	
10971	4	" "	♂ ad.	do	302	391	125	143	24,5	38,5	30	
10972	4	" "	♂ ad.	do	307	392	124	145	26	39	30	
10973	4	" "	♂ ad.	do	308	390	125	147	26,5	42	31	Large Miller (Moth) Large miller moth in mouth
10974	4	" "	♀ ad.	do	295	376	123	140	25,5	38	30,5	
10975	4	" "	♂ ad.	do	308	390	125	145	25	39	30,5	
10976	4	Falco sp. deserticolus	♂ ad.	do	262	575	190	137	12	38	31	Only a trace of rufous on crown
10977	4	Dendroica nigrescens	♂ ad.	do	133	201	64	55	11	18	14	
10978	4	Pipilo f. crissalis	♂ juv.	do	Recently from nest							
10979	5	Falco s. deserticolus	♀ ad.	do	278	595	195	142	13	38	31	Stomach crammed with grasshoppers.
10980	5	Pipilo fuscus crissalis	♂ ad.	do	228	307	96	115	16	27,5	25	
10981	5	Pipilo a. megalonyx	♂ ad.	do	208	274	88	100	15	26,5	27	
10982	5	Habia melanocephala	♂ ad.	do	207	320	102	87	18,3	23,5	23	
10983	5	Vireo	♂ ad.	do	141	213	67	62	11,7	19,3	15.	

No.	Date 1894 May	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
10984	5	Amphispiza belli	♀ ad.	Nachoguero Valley	147	210	65	65,5	10,3	24,2	18	
10985	5	Thryothorus b. spilurus	♂ ad.	do	137	180	57	57,5	15	19	17	
10986	5	" " "	♂ ad.	do	136	180	57.	58	15	18	15	
10987	5	" " "	♂ juv.	do								
10988	5	Parus inornatus	♂ ad.	do	150	235	75	68	12	22,3	18,7	
10989	5	"	♂ ad.	do	143	228	72	63,5	11,1	22	18	
10990	6	Callipepla californica val	♂ ad.	do	259	348	109	90	11	30	31.	
10991	7	Melanerpes f. bairdi	♂ ad.	do	243	450	141	93	28,5	23	25,5.	
10992	7	" "	♂ ad.	Campo, San Diego Co., Cal.	245	455	146	94	29	22,5	25,5.	
10993	7	" "	♂ ad.	do	245	462	148	94	30,5.	22	25.	
10994	7	Melospiza f. samuelis!	♂ ad.	do	163	222	69	73	14	22,8	23	
10995	7	Vireo	♂ ad.	do	131	182	58	58	10	19,7.	13,7.	a mated pair; breeding.
10996	7	"	♀ ad.	do	125	181	56	53.	10	19,3	13,9.	
10997	7	Parus inornatus	♂ juv.	do								
10998	7	Troglodytes aëdon	♀ ad.	do	123	168	52	48	13	16	15,3	
10999	7	" "	♀ ad.	do	127.	166	52,5.	50	12,7.	17.	15,5.	
11,000	7	Icterus cucullata	♂ juv.	do.	211	279	89	97.	19	23	22	
11001	7.	Pipilo. f. crissalis	♂ ad.	do	219.	288	90	108	15	28.	20.	
11002	8	Icterus bullocki	♂ ad.	~~Campbell's Ranch at Laguna, Coast Range Mts, San Diego Co., California~~	203	312	101	86.	18,5	23	22	
11003	9	Sturnella neglecta	♂ ad.	~~do~~ } J. M. Gray's Ranch, San Diego Co., Calif.	257	424	131	82	32	39	36	
11004	9	Chondestes g. strigata	♂ ad.	~~do~~	178	286	90	76	13	20	20	
11005	9	Dendroica aestiva	♂ ad.		129	199	64	52	10,7.	18	15.	
11006	9	Contopus richardsonii	♀ ad.		153	250	81	66	13,5.	13.	12,5.	
11007	9	Passerina ~~Spiza~~ amoena	♂ ad.		148	239	78	64.	10	17,5.	18.	
11008	9	Falco sparverius	♀ ad.	Campbell's Ranch at Laguna, in the Coast Range Mts., San Diego Co., California	283	605	203	143	13	37.	31.	
11009	9	" "	♂ juv.	do								
11010	9	Junco	♂ ad.	do	158	253	82	71	12	20	18,7.	
11011	9	"	♂ juv.	do								
11012	9	Progne s. hesperia	♂ ad. (♂ juv)	♂ juv do	215	424	152	83	12	15.	23.	
11013	9	" "	♀ ad.	do	200	407.	146.	72	13	16	22	
11014	9	Tachycineta thalassina	♂ ad.	do	124.	310	118	50	6,2	14,2	13,7.	
11015	9	Junco	♀ ad.	do	153	230.	74.	66.	11	19	17	Eggs ready to lay
11016	10	Cyanocitta s. frontalis	♂ ad.	do	310	450	144	137.	29	44.	34.	
11017	10	Spizella socialis	♂ ad.	do	141	227	73	63	10	17.	16	
11018	10	Melanerpes f. bairdi.	♂ ad.	do	254	470	152	96	31.5	23	25.5	
11019	11	" " "	♂ ad.	do	250	463	149	94.	28,5	21	25,5	
11020	11	"	♂ ad.	do	253	455	145	96	30	24	27,5.	
11021	12	Aphelocoma californica	♂ ad.	do	302	385	125	145	26,5	36	30	

No.	Date 1894 ~~May~~ June	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11022	12	Aphelocoma californica	♀ ad.	Laguna, Coast Range Mts. San Diego Co., California	288.	377.	122	33	26,5	39	29,5	
11023	12	Junco	♀ ad.	do	155	238	77.	70	10,8	20	17.	
11024	12	"	♀ juv.	do								
11025	12	"	♂ juv.	do								
11026	12	Parus gambeli	♂ ad.	do	133	215	68	62	10,8	18,5.	15	
11027	13	Oreortyx pictus plumiferus	♂ ad.	do	295	440	135	88	14,5	39	40.	
11028	13	Melanerpes f. bairdi	♂ ad.	do	250	460	148	90	29,3	23,5	28	
11029	13	Sturnella	♂ ad.	do	254	.413	127	76	34	40	31	
11030	13	Habia melanocephala	♂ im.	do	~~170~~	~~308~~	~~104~~	~~65~~	~~13~~	~~20~~	~~20~~	
11031	13	Sialia mexicana	♀ ad.	do	170	308	104	65	13	20	20.	
11032	13	Sitta c. aculeata	♂ ad.	do	151	272	90	52	20.	17	20.	
11033	13	" " "	♀ ad.	do	146	262	87.	47.	19,5.	17.	20.	
11034	13	" " "	♂ ad.	do	153	280	93	51	20	18	20	
11035	13	" " "	♀ ad.	do	150	269	88	51	20	17,5	20.	
11036	13	Sitta pygmaea	♂ ad.	do	120	215	68	40.	16.	15	17	
11037	13	Parus inornatus	♂ ad.	do	144	226.	71	61	11,8	21	18	Parent and Progeny.
11038	13	"	♀ juv.	do								
11039.	13	Thryothorus b. spilurus.	♂ ad.	do	135	274	53	55	15.	18	15	
11040	13	Dryobates nuttalli	♀ ad.	do	195	330	105	77	22	18,5	.8	
11041	12	Cyanocitta s. frontalis	♂ juv.	do								
11042	13	Junco	♂ ad.	do	160.	248.	81.	71.	12.	20	18	
11043	13	"	♀ ad.	do	154	233	74	70.	11	19,3	18.	
11044	13	"	♂ ad.	do	.61	248	80	72	11,5.	20	19.	
11045	13	"	♂ juv.	do								
11046	13	Parus gambeli	♂ ad.	do	.38	218	71	63.	10,8	19	16.	
11047	13	Sturnella	♀ juv.	do								
11048	14	Junco	♂ ad.	do	160	249	67.	70.	11,5	19,5	19.	
11049	14	Carpodacus m. frontalis	♀ ad.	do	.48	241	78	64	11	16,3	19	
11050	14	Sialia mexicana	♂ juv.	do								
11051	14	Sitta aculeata	♂ juv.	do								
11052	14		♂ ad.	do	148	267.	89.	52	19,5.	17.	20.	
11053	14	Melanerpes f. bairdi	♀ ad.	do	245	450	144	90.	26	20	23.	
11054	14	Columba fasciata	♂ ad.	do	407	685	220	155	19,5.	32	41	
11055	14	Calypte costae	♀ ad.	do	In alcohol.							
11056	14	Cyanocitta s. frontalis	♀ juv.	do								
11057	14	" "	♀ juv.	do								
11058	15	Oreortyx pictus plumiferus	♂ ad.	do	300	450	143	97	14	42	40	
11068	15	"	♀ ad.	do	275	430	133	87	14,5	38.5	39.	
11059	15	Zenaidura macroura	♀ ad.	do	303	470	159	147	14	22	27	

No.	Date 1894 June	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11060	15	Cyanocitta s. frontalis	♀ ad.	Laguna, Coast Range Mts., San Diego Co., California	314	433	140	140	30	42	35	
11061	15	" " "	♀ ad.	do	315	464	149	145	28	45	34	
11062	15	Sialia mexicana	♂ ad.	do	185	342	117	76	12,2	21	21,4.	
11063	15	" "	♂ ad.	do	179	331	112	75	13	21	21	
11064	15	" "	♂ ad.	do	178	337	115	74	12,5	21	20,3	
11065	15	Parus gambeli	♀ ad.	do	136	207	66.	63	10,7.	18	16,5.	
11066	15	" "	♂ ad.	do	132	215	69	60	10	18,5	16,5.	
11067	15	Polioptila californica	♂ ad.	do	122	166	51	55	10,5	17	11,5.	
11068	15	Oreortyx pictus plumifera	♀ ad	do	Measurements on page 290							
11069	15	Otocoris	♂ ad.	do	174	317	101	66	12	21	17.	
11070	15	"	♂ ad.	do	174	319	101	70	12,8	21,3	16.	
11071	15	"	♀ ad	do	166	295	94	66	12,7	20,3	15	
11072	15	"	♂ juv.	do								
11073	16	Progne subis hesperia	♂ ad.	do	207.	423	154	86	12	14	23	
11074	16	" " "	♀ ad	do	205	423	154	83	12,6	15	21,5.	
11075	16	Sitta aculeata	♂ ad.	do	153	279.	91	52	20,3	17,5	22.	
11076	16	Sialia mexicana	♂ ad	do	183	335.	113	74	14	21	20,7.	
11077	16	Cyanocitta s. frontalis	♂ ad.	do	318	461	144	138	30	44	35	
11078	16	Sitta aculeata	♂ ad.	do	146	267	86	48	19,5	17	20,8	
11079	16	" "	♀ ad.	do	150	273	91	50	20	17,7	21,2	
11080	16	Parus gambeli	♂ ad.	do	139	223	71	62	11	18	16,5	
11081	16	Troglodytes a. aztecus	♂ ad.	do	126	167	52	50	14	18	15,5	
11082	16	Columba fasciata	♂ ad.	do	395	660	113	158	18	30	41	The fattest land birds I ever saw.
11083	17	" "	♀ ad.	do	393	660	220	155	18	28,5.	39	
11084	17	Cyanocitta s. frontalis	♂ juv.	do								
11085	17	Falco s. deserticolus	♀ ad	do	284	600	206.	145	12,3	36,5.	32	
11086	17	Progne subis hesperia	♂ ad	do	206	411	148	79	12	14,8	23	
11087	18	" " "	♂ ad.	do	204	420	153	80	11,2	15	23.	
11088	18	" " "	♂ juv.	do								
11089	18	Selasphorus alleni	♂ ad.	do	93	100	40	27.	16,5.			
11090	18	" "	♂ ad.	do	94	102	38	27	15,5			
11091	18	" "	♂ juv.	do	94	108	42	27	17,5			
11092	18	" "	♂ juv.	do	92	105	41	26	15,2			
11093	18	Callipepla c. vallicola	♂ ad.	do	269	363	114	98	10	31	34,5	
11094	18	" " "	♀ ad.	do	254	346	106	91	10	31	34	
11095	18	Tyrannus verticalis	♀ ad.	do	230	493	127	98	19	20	19	
11096	18	Myiarchus cinerascens	♀ ad	do	213	315	99	92	19	23,5	19.	
11097	18	Troglodytes aëdon aztecus	♂ ad.	do.	126	172	53	50	12	17	15	
11098	18	Sialia mexicana	♂ ad.	do	183	340	115	75	12,5	22,5	21.	

No.	Date 1894 June	Name	Sex and age	Locality	Length	Flar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11099	18	Calypte costae	♂ ad.	Laguna Coast Range Mts., San Diego Co., California	92	116	44,5	24	18,5			
11100	18	" "	♂ ad.	do	93	115	45	27.	18,5			
11101	18	" "	♂ ad.	do	93	118	47	25,5	18			
11102	18	" "	♂ juv	do								
11103	18	" "	♂ juv	do								
11104	19	" "	♂ ad.	do	89	115	44	24	17			
11105	19	Selasphorus alleni	♂ ad.	do	92.	99	38,5	28	16			
11106	19	Troglodytes a. aztecus	♀ ad.	do	128	173	4	47.	13	17	16.	
11107	19	" " "	♂ ad.	do	133	181	55	50	14	17.	15	
11108	19	Cyanocitta s. frontalis	♂ ad.	do	310	446	140	135	29,5	43	37.	
11109	19	Oreortyx pictus plumiferus	♂ ad	do	295	455	146	98	14	36	39	
11110	19	" " "	♂ ad.	do	286	451	141	97	15	38	41	
11,111	20	Junco	♀ ad.	do	154	230	73	64	11,3.	20	18,5	
11,112	20	"	♂ ad.	♂ do	1.57.	240	79	71,5.	12.	20	19,1	
11,113	20	"	♂ ad.	do	160	247	79	68	12,2	20,5	19,5.	
11,114	20	"	♂ ad.	do	160.	256	80	71.	11,5	20,5	20	
11,115	20	"	♀ ad.	do	154	235	76.	70	11,2	20	18	
11116	20	"	♂ ad.	do	158	257	81	70	11,7.	21	19.	
11117	20	Troglodytes aëdon aztecus	♂ ad.	do	128	175	52	51	13,7.	16	16,3	
11118	20	" " "	♀ ad.	do	129	173	53	51	13	17,5.	17,2	
11119	20	Trochilus alexandri	♂ ad.	do	96	111	42	27.	18			
11120	20	Parus gambeli	♀ ad.	do	133.	220	70	59	11	18,5	17	
11121	20	" "	♂ ad.	do	141	224	70	65	11,5.	19	17.	
11122	20	" "	♀ ad.	do	132	212	68	59	11	18,5	16	
11123	20	" "	♂ juv	do								
11124	20	" "	♀ juv	do								
11125	20	Sex?	juv.	do								
11126	20	Cyanocitta s. frontalis	♀ ad.	do	305	433	140	130	27	40	34	
11127	20	" " "	♂ ad.	do	321	468	150	145	29	40	35	
11128	20	Progne s. hesperia	♀ ad.	do	195	403	145	72	10,5	14,5	20,5	
11129	21	" " "	♀ ad.	do	203	398	143	75	12,8	15	22	
11130	21	" " "	♂ ad.	do	213	430	158	78	14	15,5	22	
11131	21	Cyanocitta s. frontalis	♀ ad.	do	300	440	140	132	28,5	42	34,5.	
11132	21	" " "	♀ ad.	do	312	450	144	133	28	43	36	
11133	21	" " "	♂ ad.	do	324	452	145	143	28	43	34	
11134	21	Troglodytes aëdon aztecus	♂ ad.	do	129	177	53	48	15	16,5	15	
11135	21	" " "	♂ ad.	do	134	176	54	50	13	18	16,5	
11136	21	Parus gambeli	♂ ad.	do	139	219	72	60	10,1	19	16.	

No	Date 1894 June	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11137	21	Sitta c. aculeata	♀ juv. ad.	Laguna, San Diego County, California	147	276	91	48	16,5	18	21	
11138	21	" "	♀ juv.	do								
11139	21	Falco s. deserticolus	♂ juv.	do								
11140	21	Contopus ~~pertinax~~ borealis	♀ ad.	do	200	340	113	78	18,7	15,5	18	
11141	21	Sayornis nigricans	♀ ad	do	18[illegible]	276	87	81	15,5	18	15,3	Parent of nest with 3 eggs taken
11142	21	Melanerpes f. bairdi	♂ ad.	do	258	453	140	94	30	24	29.	
11143	21	" " "	♂ ad.	do	255.	469	145	91	32	23	27.	
11144	21	" " "	♀ ad.	do	254	467	146	94	29	-	25,5	
11145	21	" " "	♀ ad.	do	248	462	141	95	28	24	27	
11146	21	" " "	♀ ad.	do	253	468	161	101	29.	22,5.	25.	
11147	21	" " "	♀ ad.	do	249	462	143	90	28	23	26,5	
11148	21	" " "	♀ ad.	do	250	466	148	95	29	23	24,2	
11149	21	Scolecophagus cyanocephalus	♂ ad.	do	241	398	128	102	21	32	27,5	
11150	21	Corvus a.	♀ juv.	Cameron's Ranch, San Diego Co., Calif.								
11151	21	Spinus psaltria arizonae	♂ ad.	Laguna Mts., alt. 4200 feet, San Diego Co., Calif.	114	207	68	48	9	12	14	At lower edge of pine timber.
11152	22	Buteo swainsoni	♀ ad.	Cameron's Ranch, Cal.	540	1350	413	235	23.5	72	57	Cere & feet yellow. Stomach c. grasshoppers. Melanotic form. Iris hazel.
11153	22	Corvus a.	♂ juv.	do								
11154	22	Falco s. deserticolus	♂ juv.	do								
11155	22	" " "	♂ juv.	do								See newspaper clipping in Dr. A. K. Fisher's personal copy of his Death Valley Rep.
11156	20	Pseudogryphus californicus	♀ ad.	Laguna, San Diego Co., Cal.								Head of one shot by Mr. Henry Clark, at Laguna, in August, 1893.
11157	23	Icterus bullocki	♀ ad.	Cameron's Ranch, San Diego Co., California	192	305	96	80	18	25	22,5	
11158	23	" "	♀ juv.	do								
11159	23	Amphispiza belli	♀ ad.	do	146	209	66	68	10	21	16,5	
11160	23	" "	♀ ad.	do	150	211	63	69	11	20	17.	
11161	23	Aphelocoma californica	♂ ad	do	310	401	130	150	29	42	31	
11162	23	~~Colap~~ " "	♂ juv.	do								
11163	23	Colaptes cafer	♀ ad.	do	333.	521	164	127.	38	31	32.	
11164	23	Melanerpes f. bairdi	♂ ad.	Tecate Valley at base of Tecate Mtn, Lower California	256	475	153	92	30	23	25.	both killed same shot in an evergreen black oak tree.
11165	23	" " "	♀ ad.	do	250	471	153	94	28	21,2	25	(both killed same shot, see above)
11166	24	Petrochelidon lunifrons	♀ ad.	do	145	300	107.	56	8	13,2	17.	
11167	24	" "	♀ ad.	do	149.	[illegible]	111	58	8	12	17	
11168	24	Dryobates nuttalli	♂ juv.	do								
11169	24	Aphelocoma californica	♂ ad.	do	295	388	123	145	26	41	32	
11170	24	" "	♂ juv.	do								
11171	25	" "	♂ ad.	do	300	391	124	139	26	39	32	
11172	25	" "	♂ juv.	do								
11173	25	" "	♂ ad	do	310	396	127	149	26	41	31	
11174	25	Amphispiza belli	♀ ad.	do	150	209	64	68	11	21	17	The young were already on the wing
11175	25	" "	♀ ad.	do	147	211	68	68	10,5	20	17	

No	Date 1894 June	Name	Sex and Age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11,176	25	Agelaius p.	♂ ad.	Tecate Valley at Tecate Mountain, Lower California	243	406	135	106	22	31	28	
11,177	25	"	♂ ad.	do	224	377	121	95	22	30	28	
11178	25	"	♂ juv.	do								
11179	25	"	♀ ad.	do	198	329	104	82	19.	27.	26.	
11180	25	Chamaea f. henshawi	♂ ad.	do	167	186	60	85	11,6	25,5	19.	
11181	25	Spizinus p. arizonae	♂ ad.	do	116	207	66	46	10	13	14,3	
11182	25	" " " "	♀ ad.	do	113	201	61	43	10	12,8	15	
11183	25	Scolecophagus cyanocephalus	♂ ad.	do	247	396	127	105	22	32	27,5	Destroyed.
11184	25	Aegialitis vocifera	♂ juv.	do								
11185	25	Lanius l. gambeli	♀ juv.	do								
11186	25	Sturnella	♀ ad	do	226	365	112	68	30,5	36	32	
11187	25	Callipepla c. vallicola	♂ juv.	do								Shot in oak-tree at night.
11188	26	Melospiza f.	♂ juv.	do								
11189	27	Oloçoris a.	♂ ad.	San ~~Pedro~~ Ysidro Ranch, L. Cal.	171	319	103	67	12.8	21	17.2	
11190	27	" "	♀ ad.	do	161	297	95	62	11.7	21	16.	
11191	27	" "	♀ ad	do	165	303	95	64	12	22	17.5	
11192	27	" "	♀ juv.	do								
11193	27	" "	♀ juv	do								
11194	27	" "	♂ juv.	do								
11195	27	" "	♂ juv	do								
11196	27	" "	♀ juv.	do								
11197	27	" "	♀ ad.	do	159	288	90	58	12	20	16,5.	
11198	27	" "	♂ ad.	do	171	307	99	70	13	21	17,2	
11199	27	" "	♂ ad.	do	173	317.	103	73	13	21	16	
11,200	27	Spinus p. arizonae	♀ ad	do	113	199	64	42	10	13,5	14	
11201	27	Phainopepla nitens	♂ ad.	do	203	292	97.	102	12	16,5	18,7.	
11202	29	Falco f. deserticolus	♀ juv.	do	270	593	197	135	12,5	35	29.	Stomach crammed with grasshoppers
11203	30	Habia melanocephala	♀ juv	do								
11204	30	Icterus cucullatus	♂ ad.	do	208	278	90	92	20	22,5	22,2	
11205	30	" "	♂ ad	do	211	286.	91	98	19,7	22,3	20,5	Killed at same shot, in sycamore
11206	30	Icterus	♀ ad.	do	195	295	91	76	18	23,5	22	(Killed at same shot, in sycamore)
11207	30	"	♂ juv	do								(Killed at same shot, in sycamore)
11208	30	Tyrannus verticalis	♂ ad	do	227	~~227~~ 397.	129	100.	19	19	20	
11209	30	" "	♂ juv.	do								
11210	30	Tyrannus vociferans	♂ ad	do	241	420	138	105	21	20,5	22	
11211	30	" "	♀ ad.	do	235	403	127	96	22	20,2	22,6	
11212*	30	" "	♂ juv.	do								

* Bird register continued on page 324

The following were put in the tank of Major. T. E. Wilcox, Surgeon, U.S.A., at Ft. Huachuca, Arizona to be sent to the U.S. National Museum

1. One Bull Snake. Ft. Huachuca. July 18, 1893. Alt. 5300 ft
2. Three Sceloporus clarkii. Summit of divide at head of Huachuca Cañon, Huachuca Mountains. July 18, 1893
3. One Black Mt. Rattler (6 rattles). Tanner's Cañon alt. about 7500 feet, Huachuca Mts. July 19, 1893.
4. Kinosternon sonoriense. Two from Huachuca Mts. Alt. about 5300 feet. July 20, 1893.
5. Two Small Rusty Lizards. Ft. Huachuca Parade Ground. Alt. 5100 ft. July 21, 1893.

The following were put in our own tank!

6. 1 Bufo Ft. Huachuca. July 24, 1893. Alt. 5100 ft
7. 2 Phrynosomae. " July 25, 1893. "
8. 2 Small Rusty Lizards " " "
9. 6 Green Beetles " " "
10. 1 Striped Garter Snake " " "

Lanius l. excubitorides. — One shot by Senor Louis R. Servin, at Dog Springs, Sept. 14, 1893, had the remains of grasshoppers in its stomach.

Ovis montana. — Senor Louis R. Servin saw two Mountain Sheep near Monument No. 4 (IV) (Emory's), in June, 1892.

Hoary Bat. — On Sept. 18, 1893, at Dog Springs, Grant Co., N. Mex., Hosp. Steward E. P. Merton USA. brought me two Hoary Bats that he had just caught, on the ground. They were copulating. The female was much larger than the male. They are numbers 2532 & 2533 of the collection. They were captured before dark in the twilight.

Hirundo erythrogastra. — Two seen at Dog Springs, [illegible] Sept. 21, 1893.

Ceryle alcyon. — One stayed all of Sept 20th at Dog Spring. It appeared at daylight & stayed till dark; was gone next day.

Birds Seen at Dog Spring, Grant Co., N. Mex. Sept 15 to 23, 1893.

Ægialitis vocifera. — Scarce.
Fulica americana. — One on spring; Sept. 23d.
Porzana carolina. — A few on the spring.
Rallus virginianus. — do
Callipepla squamata. — Abundant.
Columba fasciata. — A few in Dog Mts., feeding on Quercus grisea and Juniperus pachyphloea.
Zenaidura macroura. — Very abundant.
Cathartes aura. — Common.
Circus hudsonius. — Common.
Accipiter velox. — Common
Accipiter cooperi. — "
Buteo borealis calurus } Common.
Buteo swainsoni
Aquila chrysaëtos. — Several nests in Dog Mts.
Falco mexicanus. — Several seen.
Falco richardsonii. — One seen Sept. 20th.
Falco sparverius. — Abundant.
Asio accipitrinus. — One seen Sept. 21, 1893.
Bubo virginianus subarcticus. — Dog Mts.
Speotyto cunicularia hypogaea. — Common.
Geococcyx californianus. — Common.
Ceryle alcyon. — One; spent day at Spring Sept. 20
Dryobates scalaris bairdi. — Several seen
Dryobates arizonae. — Dog mountains
Melanerpes f. aculeatus. — Emory Spring Sept. 22.
Colaptes cafer. — Dog Mts Sept. 22. Dog Spg Sept 2[?]
Phalaenoptilus nuttalli. — Heard every night.
Trochilus alexandri. — Common.
Selasphorus platycercus. — Common summit Dog Mts.
Selasphorus rufus. — Dog Mts. Sept. 20.
Trochilus calliope. — do
Tyrannus vociferans. — ~~Seen every~~ day until Sept 23.
Sayornis saya. — Seen every day.
Contopus richardsonii. — Very common to Sept. 22
Empidonax hammondi. — Common to Sept. 22
Otocoris a. adusta. — In pairs. Common.
Aphelocoma woodhousei. — Two Sept 22 Dog Mts.
Corvus corax sinuatus. — Dog Mts.

(Birds. Dog Spring, N.M.)

Corvus cryptoleucus. – In flocks till Sept. 20.
Sturnella mexicana! Singing. – Scarce.
Icterus bullocki. – Seen daily in mesquites until Sept. 19th. None seen later.
Scolecophagus cyanocephalus. – Flocks.
Spinus psaltria arizonae. – In sycamores in cañons Dog Mts.
Poocaetes gr. confinis. – Seen daily.
Ammodramus bairdii. – Seen daily in grassy swales, usually rising singly. One seen Sept. 22 on grassy summit of Dog Mts., near Emory Peak.
Ammodramus s. alaudinus. – Several seen.
Chondestes grammacus strigatus. – Seen till Sept. 20.
Zonotrichia intermedia. – First seen this fall Sept. 16.
Spizella socialis arizonae. – Seen daily
Spizella breweri. – Seen daily; singing.
Melospiza lincolni. – First seen Sept. 20; common Sept. 22.
Pipilo maculatus megalonyx. – A few in Dog Mts.
Pipilo chlorurus. – First seen Sept. 18. Common Sept. 22.
Pipilo fuscus mesoleucus. – Very abundant.
Passerina amoena. – Flock of young seen Sept. 23 near Dog Spring.
Peucaea ruficeps boucardi. – Common in Dog Mts.
Peucaea cassini? – Common; ~~one~~ specimen taken.
Calamospiza melanocorys. – Very numerous; flock of 200 Sept. 22.
Piranga ludoviciana. – Seen till Sept 21st.
Chelidon erythrogaster. – Two seen Sept. 21.
Tachycineta thalassina. – Several Sept. 16.
Stelgidopteryx serripennis. – One seen Sept. 15.
Phainopepla nitens. – Seen till Sept. 20th. Several
Lanius l. excubitorides; abundant; noisy; feeding on grasshoppers.
Vireo gilvus swainsoni. – Seen till Sept. 22.
Dendroica auduboni. – First seen Sept. 17th by the 22nd it became very abundant.
Dendroica nigrescens. – Seen rarely till Sept. 22.
Geothlypis macgillivrayi. – Seen daily till Sept 22.
Geothlypis trichas occidentalis. – At Spring Sept. 16 to 21.
Sylvania pusilla. – Seen daily; common.
Oroscoptes montanus. – Two. Sept 20th.
Mimus polyglottos. – Several seen daily till Sept 22, Several seen Sept. 23
Campylorhynchus brunneicapillus. – Common. Several caught in mammal-traps baited with oats.
Salpinctes obsoletus. – Common.
Catherpes m. conspersus. – Dog Mts; singing Sept. 22

(Birds. Dog Spring, N.M.)

Thryothorus b. bairdi. – Dog Mts; scarce.
Parus wollweberi. – In oaks in Dog Mountains.
Auriparus flaviceps. – Scarce.
Regulus calendula. – First seen Sept. 21. Common Sept. 22.
Polioptila caerulea. – Dog Mts; scarce.
Turdus ustulatus? – One Dog Mts. Alt. 6000 ft. Sept 22
Merula migratoria. – Dog Mts. Sept 17 & 22.

Mammals at Dog Springs & Dog Mountains (Sept. 15 to 23, 1893.)

Lynx baileyi
Bassaris astuta.
Mephitis estor
Urocyon c. scottii
Canis latrans
Ovis montanus. – One was killed within 500 yards of Dog Spring, Sept 11, 1893, by Mexican employees of the cattle Company. Mr. Vanornem, the foreman, has seen Sheep 3 times in the Dog Mountains. In 1890, he captured a young one. It was in company with its mother and another female, both of which showed great pluck in defending the young one against the cowboys, who were obliged to "rock off the old ones" before they could secure the prize. The young Mt. Sheep was only a few days old. The season was "between spring & summer". It drank cow's milk with avidity, but soon died. On another occasion Mr. Van Ornem saw 4 and once 8 Mt. Sheep, always in rugged cañons of the Dog Mts.
Antelocapra americana. – One herd of 30. Several small "bunches".
Felis tigre. – One was shot under the Mulberry bushes at Dog Spring about ~~in~~ 1878, before the ranch was established.
~~Felis~~ pardalis. – Mr. Van Ornem saw one

(Mammals at Dog Spring.)

in the neighborhood of Esperia, on the Corralitas River. It was running on an open plain. He nearly overtook it on his horse before it saw him. Then it crouched as if ready to spring. He fired at it with his pistol, when it "broke + ran", but was speedily overtaken when it again turned at bay and crouched. This was repeated several times until the animal finally succeeded in hiding and escaped.

Taxidea americana. – Its burrows numerous.

Cynomys arizonensis. – "Dog Spring" – the name came originally from the colonies of these animals in the neighborhood.

Spermophilus spilosoma. – Common; one trapped.

Sitomys [eremicus anthonyi (Merriam)] (eremicus type). – Two specimens from rocky hill back of Van Ormen's house. Last year one of unusually large size was captured there (Peromyscus boylii pinalis).

Sitomys (bicolored tail). – Common (Peromyscus t. texanus)

Perognathus [flavus and P. intermedius]. – Two species, one of each, trapped.

Perodipus ordii. – Last year not found here. The most western capture was at Carrizalillo, where but one was taken. This year a dozen were captured in a sandy arroyo where my traps were twice covered up with sand + many lost during heavy showers. They throw large heaps of dirt out from their burrows at night.

Dipodomys spectabilis. – Abundant.

Dipodomys merriami. – Abundant.

Spermophilus grammurus. – The Dog Mtns are filled with them; but I failed to discover any species of chipmunk (Tamias) there.

Neotoma [intermedia albigula] ~~mexicana~~. – Abundant; two trapped.

Lepus ~~sylvaticus~~ [arizonae] }
Lepus texanus } Very common.

Hoary Bat. – [Sept 18th] Steward E. C. Merton saw two fall to the ground in copulation + captured them.

Trees of Dog Mts: –

These mountains are of the roughest description. On the east side they are furrowed by cañons with jagged precipitous sides abounding in caves and erosions. The average height is 6000 feet, Emory Peak at the north end + one or two others near 7000 feet (See Van Ormen's topographical notes). They are sparsely wooded.

Quercus glauca. – A few near Emory Spring.

" emoryi. – Near base. Common.

" grisea. – The prevailing oak. Grows to the summit, where there are any trees. A pretty well marked zone of this species begins on the hill slopes at 5750 ft. extending to the summit. Its range here corresponds with that of Juniperus pachyphlœa, + like that species it grows, in cañons, down to the base of the mountains. Quercus emoryi corresponds to the Red Cedar zone; Q. grisea to the Checker-barked Juniper zone.

Pinus edulis. – There are only a few sporadic nut pines; very scarce; but the prevailing tree on the Sierra Hachita a few miles to the northward.

Juniperus occidentalis? The red cedar zone practically ends with Quercus emoryi at 5750 feet; but, in a wooded hollow near the summit, where most of the trees are fine specimens of the Checker-barked Juniper is a grove of superb red cedars at the altitude of about 6250 feet. (Specimens gathered Sept. 22, 1893.)

Juniperus pachyphlœa. A pretty well-marked zone begins on slopes at 6000 feet; in cañons down to extreme base of Mtns. Tree on the line, 5450.

Juglans rupestris. – Common in arroyos, and extends up cañons to 5700 feet.

Fraxinus. – In cañons from base nearly to summit; scarce.

(Trees of Dog Mountains.)

Populus angustifolia (fremontii crossed out) Mexican Cottonwood (planted) at Dog Spring
Vitis arizonica. - Common in wooded Canons
Rhus trilobata (aromatica crossed out). - Common.
Populus fremontii. - Scarce. One tree at spring, at head of canon, about 6200 ft
Salix nigra. - Scarce where there is water
Salix occidentalis longipes (glaucous-leaved). - Specimens from Cottonwood spring, alt., 6200 feet.
Platanus wrightii. - In wet canons.
Mesquite. - Extends up to 5700 feet in canon
Desert Willow in canons up to 6000 feet.
Hackberry. - Scarce. Near Alamo Wako (= hollow cottonwood) stands a grove of hackberries larger than any others I have seen. They are in an arroyo a long way from the Mtns. The largest would perhaps measure 3 ft diameter & 40 feet high, a fine, spreading tree.
Agave (Aloe crossed out) palmeri. - Common from base to top. On the summits of the neighboring Hachita Mts. this is replaced by A. parryi.
Yucca baccata. - both forms common.
Yucca constricta Buckley (angustifolia crossed out). One seen 20 ft high with its fruit stalk. Still larger ones grow across the "desert" from El Paso to Emory's 4th monument.
Dasylirion "Saw Cactus") Grows from base to summit
High Beargrass. (Nolina lindheimeriana) near base.
Legume Shrub (Cassia wislizeni) (yellow flowers & blackish pods, common near base. The most eastern locality where seen.
Morus. - Common near rocks around base.
Arbutus sp. (identified by Dr. Wilcox) wooly.
Spiny Palo Verde (low). - Foothills
Apoponax (Acacia "
China Tree. - Arroyos. Sapindus marginatus Willd.
Mt. Mahogany. - Common. Sercocarpus
Cholla Cactuses } Not common Cylindropuntia arborescens
Prickly Pears }
Rainbow Cactus. - Grows to summit. Not seen east
Fouquieria splendens. - Common on foothills. A few in Hatchet Mtns.

(Trees Dog Mtns.)

A low tree that Payne calls "Lignum vitæ", grows abundantly. Has thickly clustered spatulate leaves & spines. Spec. of leaves in press.

Birds of Playas Valley (Dog Mtns & San Luis Mtns.) Sept 23. 1893.
Ammodramus bairdii. - Common everywhere in long grass, usually flying up singly
Calcarius ornatus. - Small flocks
Rhynchophanes mccownii? - Large flocks; some as many as 200.
Poocaetes gramineus confinis. - Common.
Ammodramus s. alaudinus. - Common, especially in damp situations.
Ammodramus s. perpallidus. - Several seen.
Zonotrichia intermedia. - Where there were bushes
Melospiza lincolni. - Very common.
Otocoris alpestris adusta. - In pairs.
Corvus corax sinuatus } about a rain water lake.
Corvus cryptoleucus }
Cathartes aura. - Common.
Zenaidura macroura. - Abundant.
Tyrannus vociferans. - Scarce.

Mammals: -

Canis latrans
Antilocapra americana. - I saw about 20 or 30. Steward Weston shot two. Saw a herd of 56.
Lynx baileyi. - Found a skull in middle of Playas
Thomomys. - Signs all along, but not numerous
Cynomys arizonensis. - From 3 miles west of Dog Springs there are colonies extending all the way to the San Luis Mtns.

Trees: -

In the foothills (foot crossed out) near Dog Springs are Glaucous white oaks, Q. emoryi, Juniperus occidentalis, Juniperus pachyphloea and a few desert willows, saw cactus, yucca baccata, Y. constricta (angustifolia crossed out) and beargrass.

September 23 & 24, 1893.

Camp at Eastern Base of San Luis Mountains near Monument No. 64.

Altitude of camp near monument 64; 5650 ft. aneroid
" " pass (Irwin's) over which I came Sept. 24th, 6900 ft.

Mammals:—

Cariacus v. mexicanus.— Common; 3 seen.

Cariacus macrotis.— Several cast horns seen; last year a herd of perhaps as many as 15–20 stayed here, and several were killed by our party.

Dicotyles torquatus.— Signs in scrub oak thickets, which here cover a large area (Q. emoryi, young). A skull & other parts of skeleton were picked up and preserved, close to monument No. 64. They were so near that we caught the odor; but none were killed.

Lepus callotis (i.e. texianus).— Common. They range up to nearly 6000 feet, and are apparently a little larger and lighter colored than the Jack-Rabbits of the mesquite plains.

Lepus holzneri arizonae.— Common; range up to the summit; larger than the Cottontails of the lower country.

Spermophilus grammurus.— Common.

Large Brown Bat.— Common. Eptesicus fuscus.

Thomomys.— Signs seen; not common.

Neotoma intermedia albigula ~~mexicana~~.— Common.

Onychomys.— Burrow probably of this genus.

Canis latrans.— Abundant

Canis lupus.— Came to my camp at night.

Felis concolor.— Carcass of one just skinned by Indians. Sent men back for skull.

Mephitis estor.— Common.

Antelocapra americana.— Doe with 2 fawns. Very common on the neighboring plains.

Cynomys arizonensis.— Common on the neighboring plains; not reaching up to timber.

Birds:—

Ægialitis vocifera.— Several on stream, which is now almost dry.

Callipepla squamata.— At lower edge of oak timber, & on mesquite plains below.

(Skip to page 300.)

Meleagris gallopavo mexicana. — Lieut McMaster saw a gobbler here Sept. 13th.
Zenaidura macroura. — Very abundant. They have congregated about the water which is now growing scarce. A week ago there was a fine flowing stream of clear water.
Columba fasciata. — Scarce.
Catharista aura. — Common.
Circus hudsonius. — Now common; the first this season was seen in Animas Valley August 31, 1893.
Buteo borealis calurus. — Common; two were screaming until after dark near camp.
Buteo swainsoni. — Common; breed in the ends of timber-strips extending down from the mountain as also on mesquites.
Aquila chrysaëtos. — Several seen.
Falco sparverius deserticolus. — Very abundant.
Megascops asio trichopsis. — heard at night.
Bubo virginianus subarcticus. — Common in cañons.
Speotyto cunicularia hypogaea. — Only found on the plains and unwooded slopes nearly up to timber-line.
Geococcyx californianus. — On plains & edge of timber.
Dryobates scalaris bairdi. — Scarce.
Dryobates arizonae. — Scarce.
Melanerpes f. aculeatus. — Feeding on oaks; common. Seen, in Pinus ponderosa belt, at 6500 feet.
Colaptes cafer. — Common; seen up to 7000 feet, when crossing the mountains, over Irwin's pass.
Phalaenoptilus nuttalli. — Heard at night.
Selasphorus platycercus. — Irwin's Pass, 6900 ft. Sept. 24.
Selasphorus rufus. — Common up to 6500 feet. Some old males seen.
Stellula calliope. — Common on the plain and in edge of timber, but less abundant than a week ago. Migrating.
Tyrannus vociferans. — Several seen Sept 23 & 24.

Sayornis saya. — One pair in cañon.
Contopus richardsonii. — Common.
Empidonax wrightii. — One.
Empidonax hammondi. — Abundant.
Otocoris alpestris adusta. — On the plains & bare slopes, rising almost always in pairs.
Aphelocoma sieberii arizonae. — In flocks.
Aphelocoma woodhousei. — Very numerous; more so than elsewhere on the boundary line.
Corvus corax sinuatus. — Several.
Sturnella mexicana? — On the plains & grassy slopes.
Scolecophagus cyanocephalus. — Migrating.
Xanthocephalus xanthocephalus. — Migrating. No cow birds (Molothrus) have been seen lately.
Poöcaetes gramineus confinis. — Common; migrating.
Ammodramus bairdii. — Common.
Zonotrichia intermedia. — Migrating; but scarce still.
Spizella socialis arizonae. — Migrating; common.
Spizella breweri. — Migrating; very abundant.
Peucaea ruficeps boucardi. — Several; not numerous.
Melospiza lincolni. — Exceedingly numerous, affecting fallen timber amongst grass and sunflowers, low down in ends of cañons, on lower edge of timber — up to about 6000.
Pipilo maculatus megalonyx. — Common.
Pipilo fuscus mesoleucus. — In rocky cañons.
Pipilo chlorurus. — Very abundant; migrating; seen up to 6900 feet (summit of pass.).
Calamospiza melanocorys. — Mesquite plains and edge of oak zone.
Piranga ludoviciana. — Two seen near lower edge of oak zone Sept. 23d.
Piranga hepatica. — Several seen Sept 23 & 24.
Lanius ludovicianus excubitorides. — Common on plains & lower edge of timber. Feeding on grasshoppers.
Vireo gilvus swainsoni. — One seen.
Vireo solitarius cassinii. — Several.
Helminthophila luciae. — One seen Sept 24, in Pinus chihuahuana at altitude of 6250 ft.

Dendroica auduboni.—Common.
Dendroica nigrescens.—One.
Geothlypis macgillivrayi.—Common, low places.
Sylvania pusilla.—Scarce.
Campylorhynchus brunneicapillus.—One family at camp (alt. 5650) in oaks.
Salpinctes obsoletus.—Common.
Catherpes mexicanus conspersus.—Singing in highest cliffs (about 7000 ft.).
Thryothorus bewickii bairdi.—Several, low ft.
Certhia familiaris mexicana.—Pinus ponderosa 6600.
Sitta c. aculeata.—At 6500 feet in pines.
Sitta pygmaea.—Several flocks; the lowest in a Chihuahua pine at 6250 ft., Sept. 24.
Parus wollweberi.—Common in lowest oaks, ranging up to 6000 feet (or higher?).
Parus meridionalis.—One flock seen Sept. 24, in Juniperus pachyphloea at 6300 ft (aneroid).
Regulus calendula.—Several.
Turdus ustulatus?—One or two.
Merula migratoria propinqua.—A few up to 6500.
Note.—No Bluebirds (Sialia) seen this trip.

Trees and Shrubs East Side of San Luis Mts.

Camped a little way south of monument No. 64 on Sept. 23, 1893. On Sept. 24th, crossed the mountains over Irwin's Pass through this same cañon.

As one approaches these mountains from the eastward lines of trees are seen straggling downward in prolongation of the great cañons, becoming more straggling as the Playas Valley is approached, and finally ending in a few detached single trees. Most of these trees are the evergreen black oak (Quercus emoryi). This species extends down to the level of the springs at White Water. There are also a few evergreen white oaks (Quercus grisea) almost as low as these, between the foothills of the San Luis

Mountains, south of White Water.

When the tree timberline was reached, (altitude 5650 feet) at the mouth of the cañon, just south of monument 64, we found extensive thickets of young growth of Quercus emoryi, in which Black-tailed and White-tailed Deer like to stay. The tree zone of Quercus grisea begins just above this thicket growth of Quercus emoryi, on foothills and sides of cañon. A single Pinus ponderosa (young tree) and the first manzanita (Arctostaphylos pungens were found, in the cañon at the altitude of 5650 feet. The second P. ponderosa (large) 6200. First grove of P. ponderosa (five large trees in cañon) at 6275. Pinus chihuahuana, Juniperus pachyphloea, and Pinus edulis were not seen until the cañon was ascended to the altitude of 6075 feet. The first "Madronay" (Arbutus texensis arizonica) was seen at 6300 feet, on the east slope, and was seen as high as the summit of Irwin's Pass (6900 feet); but, on the descent of the west slope of the range, it was noted as low as 6000 feet. On the western side, at 6300 feet, I saw a grove of Madronay of large-sized trees, the largest being a double one with very short trunk which measured in size 3500 mm, the two forks measuring, respectively, 2200 and 1690 mm in circumference. The height of these trees was estimated at 35 to 40 feet.

The following is a list of the trees seen on the eastern slope of the San Luis Mountains, in passing over Irwin's Pass, which is just to the south of the boundary line:

Quercus reticulata.—In cañons near summit.
Quercus emoryi.—From the level of White Water (!) up to 6500 feet (about) growing very scarce above 6000 feet.
Quercus grisea.—From timber line nearly to summit.
Quercus hypoleuca.—From 6150 (the first seen) up to summit of pass.
Pinus ponderosa.—A single young tree as low as the general timber line, in cañon, at 5650 ft. No

others seen until I reached 6200 feet, where was one large tree. At 6275 feet there is a fine grove of large trees; and the species is abundant above this point.

Pinus chihuahuana. – Begins at 6075 and extends (main cañon, beyond Irwin's Pass) up to 6500 feet.

Pinus edulis. – Begins at 6075 and extends to summit of peak ~~north~~ south of the pass (about 7500 feet).

Cupressus arizonica. – A small tree at 6200. A few other trees high up the main cañon, south of Irwin's Pass.

Juniperus pachyphloea. – From 6075 to summit.

Juglans rupestris. – One or two low in cañon

Cerasus serrotina. A few in cañon from the general timber line nearly to summit.

Fraxinus. – A few in moist spots

Vitis arizonica. – In the cañon.

Rhus aromatica. – } In the cañon.
Rhus toxicodendron }

Arctostaphalos pungens. – 5650 nearly to summit.

Arbutus texensis arizonica. – 6300 to summit.

38 Arbutus (high shrub.) 6000 to summit

Aloë palmeri. – From base to summit.

Yucca baccata. – In the cañon.

Saw Cactus. – In the cañon & on hill-slopes

High Beargrass. – At and below timberline

Morus celtidifolia ? – In cañon near timberline.

"Apoponax". – Scarce in lower part of cañon

Robinia neo-mexicana. – In cañon.

Mountain Mahogany 6200 to summit (6900)

Prickly Pear (Platopuntia) base to summit.

Cajon Bonita Creek, Chihuahua (south of monument No. 66. (Sept. 8, and Sept 27 & 28, 1893.)

Started for Cajon Creek at daylight Sept. 27th. Tethered horses at head of right fork, about 9 miles south of monument No. 66, and hunted both forks and

main Cajon until dark. Steward E. C. Merton hunted with me down right fork to its junction with left fork (which is the main stream, rising in south end of San Luis Mts.), where we parted, the Steward hunting to near the source of the left (main) fork, while I hunted the main stream westward, ascending many dry side cañons, and passing from 7 to 10 miles down the main stream, which I had to wade across many times.

Drove to Cajon Creek with Mr. Wood & Steward Sept. 8.

Mammals of Cajon Creek: –

Brown Bear. – Fresh tracks seen in rocky side cañon, and much old signs. Last year I saw 4 of these bears on Cajon Creek or near it. An old female & cub were sent to Nat. Mus. In 1891, Lieut. Francis D. Irwin, 2 Cav. killed an old male at the head of the left fork.

Felis concolor. – Tracks.

Lynx baileyi. – Tracks.

Canis lupus occidentalis } Tracks.
Canis latrans }

Bassaris astuta. – Common; many tracks.

Procyon hernandezii. – Common; many tracks.

Mephitis estor. – Numerous tracks.

Lepus arizonae. – One in side cañon.

Lutra? Saw one track which may have been this, but looked too large.

Note. – No signs of Beaver seen; but Mr. Hall told me he had seen their works lower down. I could find no signs of them between a point south of Hall's Ranch and mouth of creek at San Bernardino Ruiz.

Neotoma ~~mexicana~~ intermedia albigula. – Common.

Cariacus mexicanus. – Very numerous. Steward E. C. Merton killed two fine bucks on Sept. 8th, 1893. Horns large, in velvet, just beginning to rub off.

Thomomys umbrinus? – A few mounds
Spermophilus grammurus. – Exceedingly numerous; utter a startling succession of loudly whistled notes in descending scale, and single loud whistles. Active after rain. Feeding on mallow, oak and walnut. Fond of burrowing amongst enormous piles of driftage in bed of cañon brought down by cloud-bursts & high water.
Tamias dorsalis. – A colony in a pile of rock in side cañon at same altitude (about) as springs at head of left Fork of Cajon Creek.
Little Pale Bat. – Two seen; one shot Sept. 27.

Birds of Cajon Bonita Creek.
(Sept. 8, 1893 and Sept. 27 & 28, 1893.)

Anas carolinensis. – 3 Sept. 27th.
Ardea herodias. – 1 shot by Steward Merton Sept. 27.
Actitis macularia. 1 seen head L. fork Sept. 27 & 28.
Ægialitis vocifera. – Common. Sept. 8, 27, 28.
Callipepla gambeli. – Flock head left fork Sept. 8 and 28
Meleagris gallopavo mexicana. – Flocks both forks & tracks down main stream Sept. 8 & 27.
Columba fasciata. – Sept. 8. In flocks; feeding on oak & cherry, roosting on large cottonwood trees.
Zenaidura macroura. – Common.
Cathartes aura. – Flock feeding on dead cow Sept. 28. Shot one on the wing from my horse. It flew as evenly as before but circled gradually lower and at last alighted a quarter of a mile off. As I rode towards it, it fell over. When I reached it it flew a little way and fell dead with wings outstretched (Not what Newberry wrote P. R. R Surv. 30 Pac...)
Accipiter velox. – Many seen.
Buteo borealis calurus. – Melanotic form, one

seen Sept. 28, and twice shot at but escaped. It was a fierce bird, screaming loudly when I approached and only flying when shot at and probably wounded. Several light colored ones seen Sept. 8 & 28.
Urubitinga anthracina. – Sept. 27th. From four to six were seen. Exceedingly shy. One that I shot had been feeding on frogs and grasshoppers, besides which a small snake, a centipede, and several Scorpions which were molting were found in its stomach. Several seen Sept. 8.
Archibuteo ferrugineus. – Three birds were seen which I think were this species. All rose from the edge of the stream, resulting from recent rain in open cañon, near head of left fork Sept. 28.
Aquila chrysaëtos. – 3 seen, Sept 8, 27, 28.
Falco peregrinus anatum. – One seen Sept. 28.
Falco sparverius deserticolus. – Very abundant
Pandion haliaëtus carolinensis. – One was shot by Steward E. C. Merton Sept. 27.
Bubo virginianus subarcticus. – One seen Sept. 8.
Ceryle alcyon. – About a dozen seen Sept. 27 & 28th.
Ceryle americana septentrionalis. – One shot Sept. 8. Two seen near the head of main fork, by Steward Merton, Sept. 27, 1893. In early part of July, 1892, I saw one a little below the junction of the two forks.
Accipiter cooperi. – On Sept. 8th, One was carrying a young Spermophilus grammurus, with which it alighted on a limb 20 feet away. I called to my man several times for a shotgun before it flew, but then it dropped the squirrel, which I picked up and used for bait to catch a cat-fish.
Dryobates scalaris. – Seen Sept 8 and 27.
Dryobates arizonae. – Seen near Cajon Creek on Sept 8 & 28. Common in side canons July '92.
Sphyrapicus varius nuchalis. – One Sept 27 & 1 Sept. 28.
Melanerpes formicivorus aculeatus. – Seen Sept 8, 27, & 28th. Heard after dark & before daylight.
Melanerpes uropygialis. – A male shot in cañon coming up from Cajon creek, Sept. 28.

Colaptes cafer. — Very abundant.
Phalaenoptilus nuttalli. — Heard Sept. 27 + 28
Chordeiles virginianus henryi. — One seen Sept. 8, 1893. I think this was the last one seen
Trochilus alexandri. — Sept. 8.
Selasphorus rufus. — Sept. 8.
Stellula calliope. — Sept. 27.
Iache latirostris. — Sept 8 + 27; many seen on the lower Cajon, in August, 1893.
Tyrannus vociferans. — Several Sept. 8.
Sayornis saya. — Many seen Sept 27 + 28.
Sayornis nigricans. — Sept 8, 27, 28. Common beside the water, uttering its sharp note
Contopus richardsonii. — Sept. 8.
Empidonax difficilis. — Sept 8.
Myiodynastes luteiventris. — Willows Sept. 8.
Empidonax hammondi. — Sept. 8 & 27.
Aphelocoma sieberii arizonae. Sept 8, 27, 28.
Corvus corax sinuatus. — Sept 8, 27, 28.
Spinus psaltria arizonae. — Sept. 8. beside creek.
Zonotrichia leucophrys / Zonotrichia intermedia } One of these Sept. 28.
Spizella socialis arizonae. — Sept. 8, 27, 28.
Melospiza lincolni. — Sept. 27 + 28 Common.
Pipilo fuscus mesoleucus. — Sept. 27 + 28.
Pipilo chlorurus. — Sept. 27 + 28.
Pooecetes gramineus confinis. — Sept 8 + 28
Piranga ludoviciana. — Sept. 8. Uttered a rattle similar to an oriole's.
Piranga cooperi. — Male in full red plumage Sept. 8. Several heard Sept. 27, not seen.
Tachycineta thalassina. — Flock Sept. 28.
Stelgidopteryx serripennis. — Several Sept. 8.
Lanius l. excubitorides. — Sept 8, 27, 28.
Vireo gilvus swainsoni. — Sept 8. Several.
Vireo solitarius cassini. — Sept. 27 several.
Dendroica nigrescens. — Sept. 8.
Geothlypis macgillivrayi. — Sept 8, 27, 28.
Sylvania pusilla. — Sept. 8.
Mimus polyglottos. — Sept. 8.

Merula m. propinqua. — Sept 8 + 27.
Salpinctes obsoletus. — Sept. 8, 27, 28.
Dendroica auduboni. — Sept. 27 + 28.
Parus wollweberi. — Sept 8, 27.
Turdus ustulatus or / Turdus f. salicicolus } one of these Sept. 27.

Trees of Cajon Creek.

In addition to the notes previously made (See page 12) I would mention that the Maple and small Arizona Cypresses were found commonly as far down as I went — about 7 miles below the forks. I saw superb specimens of maple, ash, cottonwood, willows and walnuts down the stream. Immense cypress trees had been carried down by high water after cloudbursts.

List of Photographs.

Altitude	Neg. No.	Subject	Date	Locality
	101	Madroñas	Oct. 17, 1893	Miller's Cañon, Huachuca Mts.
	103	Populus tremuloides.	Oct. 17	do
	102	Quercus undulata [gambelii]	Oct. 17	do
	106	Pinus ponderosa	Oct. 17	do
	107	Pseudotsuga douglasii	Oct. 17	do
	104	View in caño. with "	Oct. 17	do
	100	Pinus ~~reflexa~~ strobiformis	Oct. 17	do
	110	Fraxinus pistaceaefolia.	Oct. 19	Head of Barbacoma Creek.
5320	105	Sonora Willow	Oct. 19	do
5000	112	Juniperus pachyphloea	Oct. 22	Town of Santa Cruz, Sonora
5000	113	Sambucus	October 22	Town of Santa Cruz, Sonora.
4300	109	Cottonwood	October 24.	Santa Cruz, River
4300	111	Juglans rupestris	Oct. 24.	Santa Cruz, River.
5525	127	Cerasus serotina	Oct. 2.	San Luis Springs.
5550	124	Prosopis juliflora	Oct. 2.	Base of San Luis Mts
5575	132	Juniperus pachyphloea / Quercus emoryi	Oct. 1.	San Luis Mts.
5675	134	Quercus ~~grisea~~ arizonica.	Oct. 1	do
5750	136	Cupressus arizonica [guadalupensis]	Oct. 1	do
5775	[illegible]	Quercus hypoleuca	Oct. 1	do
5950	[illegible]	Pinus chihuahuana	Oct. 1.	[illegible]

(List of Photographs of Trees.)

131	6000	Acer grandidentata	Oct. 1, 1893	San Luis Mts.
122	5400	Juniperus occidentalis monosperma	Oct. 2.	Guadalupe Cañon.
126	4800	Celtis occidentalis	Oct. 2.	do
123	4760	Vitis arizonica	Oct. 2.	do
125	4740	Platanus wrightii	Oct. 2.	do
129	4700	Dasilyrion ~~Lindheimeria~~ wheeleri? (Sotol Cactus?)	Oct. 3.	do
130	4600	Vauquelinia ~~Arbutus?~~ californica (Torr.)	Oct. 3	do
118	4400	Yucca baccata / Black Bush	Oct. 4	do
121	3950	Salix nigra	Oct. 7	San Bernardino
119	3975	Bumelia ~~Rhamnus~~? rigida (Gray).	Oct. 7	do
120	4600	Fouqueria splendens (Engelm.)	Oct. 7	San Bernardino Valley, near base of Niggerhead Mt.
128	4450	Morus celtidifolia	Oct. 3.	Guadalupe Cañon.
	4450	Sonora Willow Salix taxifolia	Oct. 3.	do
108		View of San Jose Mts.	Oct. 16,	San Pedro Valley.
114		Jojoba		San Bernardino

115 View in Guadalupe Cañon, showing "Beargrass" (Dasilyrion angustifolia?) and Sycamores (Platanus wrightii). Oct. 4, 1893

116 View of Niggerhead Mountain.

117 Quercus emoryi. About 6 miles S.E. of Nogales. The rounded height with mesquite-tree marks the boundary between two large Spanish land-grants.

Note. - Mr. Payne tells me that the only ones of the photographs made last year (1892) by Mr. Lemon, not spoiled by having been packed between newspapers in a wet place, are the Desert Willow ~~and~~, Quercus hypoleuca, and Pinus ~~ponderosa~~ mayriana.

Sent to Bendire

Geococcyx californianus. - Nest found at San Ysidro Ranch, L. Cal. June 26, 1894, containing 3 eggs, which were not taken until July 1, when the same number was found (3) in the nest.

The nest was placed in a rank bed of prickly pears that grew 2 meters high, the nest being supported by the large joints of the cactus.

The eggs measure, respectively, 38 X 29.8; 38.9 X 30; 37.8 X 30 mm.

October 21st 1893.

Town of Santa Cruz, Sonora, Mexico.

Received a Call from the Alcalde and his friend, Señor Concepcion Elias, who was born at Santa Cruz, now 62 years of age. He said he was a soldier at the time of the original survey of the Mexican Boundary by Emory & Salazar, and, relieving the soldiers of Salazar's escort from Chihuahua, and accompanied the survey westward for a distance of 30 leagues. He said there was a good deal of rain that year, and the surveying party camped about a mile south of the point of the hill, at the mouth of the San Antonio Canon. the monument (111) on the Santa Cruz River for several months. He said there were two doctors with the american party, who got all sorts of birds, rats, centipedes, and vinegaroons, etc. He said there was a man who got all kinds of flowers but he did not know what they were doing with them. One man's name, who gathered specimens was McKinney. He said the camp was 3 miles up the river, a mile below the ~~monum~~ line (monument No. 111) At the time Emory's party was here (1855) there 1300 souls in Santa Cruz and the neighborhood up & down the valley. He said the scientific doctors used to walk down to the town from their camp, and shoot a great many ducks etc.

Arrow-weed (Baccharis sp.) was found in Guadalupe Canon up to 4600 feet. In the lower part of Huachuca Canon (= Cat Canon), in the Huachuca Mts. two species grow abundantly (B. B. pteronoides et glutinosa) up as high as the post spring.

Erythrina coralloides was seen as high as 4600 feet in Guadalupe Canon. Common in canons of Mule Mts, Huachuca Mts, about Nogales, etc., etc.

Black Haw. — Tree photographed, & sp. in fruitage taken at San Bernardino, at 3950 feet. Tree 10 inches diameter & 20 feet high.

Notes on Mammals seen from San Luis Springs (Monument 66) to Nogales (Monument 122), September 24, 1893 to October , 1893.

Altitude determined by the aneroid.			Nearest Monument
5470	At Lang's Ranch (= San Luis Springs).	Sept. 24 to Oct. 2.	66
4450	Hall's Ranch, in Guadalupe Canon.	Oct. 2 to Oct. 4.	73
4200	San Bernardino	Oct. 4 to Oct. 7.	77
	Dutch Charley's Ranch	Oct 7 to Oct. 8.	88
	Bisbee (9 miles north of Johnston's Ranch)	Oct. 8 to Oct. 10.	89
	Fort Huachuca (25 miles north of boundary)	Oct. 10 to Oct. 16.	98?
5500 to 9600	Miller's Canon, Huachuca Mts.	Oct. 16 to Oct. 18.	98?
4675	Cienega Ranch, Barbacoma Creek	Oct. 18 to Oct. 19.	?
5150	Santa Cruz River, near La Noria	Oct. 19 to Oct. 20.	111
5000	Town of Santa Cruz, Sonora.	Oct. 20 to Oct. 23.	?
4300	Road crossing, on Santa Cruz River	Oct. 23 to Oct. 24.	?
	Nogales	Oct. 24 to Oct. 28.	122.

Mr. A. W. Anthony presented two fishes in small phials. The smaller came from Arroyo Salado, just above Cape Colonett, L. Cal. (April 18)

The larger from Tia Juana R., about 10 miles above the mouth of the River, in L. Cal. April 1, 1894.

Mr. Anthony says there is a trout in San Antonio Creek, flowing down from the western side of San Pedro Mts, L. Cal. No speckled trout between that point and Smith Mt., northern portion San Diego Co. Cal.

[Register of specimens continued from page 298.]

No.	Date 1894	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11213	June 30	Tyrannus vociferans	♀ juv.	San Cedro Ranch, Lower California, Mex.								~~Stomach contained grasshoppers~~
	July			do								
11214	1	Speotyto c. hypogaea	♂ ad	do	247	647	184	93	14.7	50	30	Three shot by Hackbarth to-day.
11215	1	Dayornis nigricans	♂ ad.	do	Put [illegible] its number tag							Molting; not measured.
11216	1	Icterus	♀ juv.	do	~~170~~	~~266~~	~~84~~	~~74~~	~~13~~	~~20~~	~~22.5~~	
11217	2	Chondestes g. strigata	♀ ad.	do	170	266	84	74	13	20	22.5	
11218	2	Tyrannus verticalis	♀ ad	do	Parents of nest + 3 eggs preserved. Nest 4 meters above ground in a large fig-tree. Two species of Tyrannus were in the neighborhood; but the identification was absolute, the female being on the nest was closely examined on several occasions. Both killed same shot fluttering over the nest							
11219	2	" "	♂ ad	do								
11220	3	Mimus polyglottos	♂ ad.	Cottonwood Creek, Lower California	265	380	121	130	19	35.5	29	Not poisoned.
11221	3	Tyrannus vociferans	♂ ad.	Jamul Creek below El Nido P. O., San Diego Co., Cal.	237	414	134	100	21	20	21	" "
11229	5	Callipepla c. vallicola	♀ juv.	El Nido, San Diego Co., California Jamul Creek.								Poisoned O.K.
11223	6	Pipilo f. crissalis	♀ ad.	do	213	284	91	108	14,8	28	25	
11224	6	" " "	♂ juv.	do								
11225	6	Melospiza f. samuelis	♂ ad	do	160	213	66	67	13,2	22,5	21,5	
11226	6	Chamaea fasciata	♂ ad.	do	160	193	63	83	11,4	26	18,5	
11227	6	Contopus richardsonii	♂ ad	do	162	274	91	71	13	13	12,5	
11228	6	Chondestes g. strigata	♂ ad.	do	179	291	91	77	14	22	20,3	
11222	3	Callipepla c. vallicola	♂ juv.	San Cedro Ranch, Lower California								
11230	7	Dryobates nuttalli	♀ juv.	Jamul Creek, 2 m. above El Nido P. O., Cal (Old Palm-tree)	189	333	101	73	18	19	19	
11231	7	Icterus cucullatus	♂ ad	do	216	284	93	98	20	22	23,5	
11232	7	Pipilo fuscus crissalis	♂ ad.	do	Molting.							
11233	8	Dendroica aestiva	♂ ad.	do	128	195	61	46	10,2	19	15.	
11234	8	Carpodacus m. frontalis	♀ ad.	do	150	238	74	66	11,5	18	18	
11235	8	" " "	♂ ad.	do	159	250	79	67	11	17	18	
11236	8	" "	♂ ad.	do	155	249	78	65	12	17	19	
11237	8	Dryobates ~~scalaris~~ nuttalli	♀ ad.	do	191	300	103	73	20	18	19?	
11238	8	Dendroica aestiva	♂ ad.	do	125	196	62	50	10	18,5	15	
11239	8	" "	♀ ad.	do	126	186	59	48	9	18	15.	
11240	8	" "	♀ juv.	do								
11241	9	Geococcyx californianus	♂ ad.	Pacific Ocean at the last monument of Mex. Bd. Line (258).	564	520	168	290	47	63	42	
11242	9	Passerculus	♂ ad.	do	140	229	69	52	11.7	22	21	
11243	10	Larus	♀ ad.	do.	573	1360	400	170	53	65	66	Iris pale straw-color. Bill yellow with a large vermilian subterminal spot on lower mandible. Feet flesh-color. claws plumbeous[?]
11244	10	Aegialitis nivosa	♀ ad.	" "	163	351	109	52	16	26	18.3	
11245	10	Ereunetes occidentalis	♂ ad.		154	296	92	41	21.5	22	18	
11246	10	" "	♀ ad.		172	318	101	49	26.9	23	21.	
11247	10	" "	♀ ad.		170	308	98	44	27.5	23.	20.	
11248	10	" "	♂ ad.		161	308	98	44	21.5	22.5	18.8	
11249	10	" "	♂ ad.		162	309	99	45	24	21.5	18.	
11250	10	" "	♀ ad.		169	314	100	43	26	25.	20.5	

No.	Date 1894	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
	July											
11,251	10	Lanius l. gambeli	♂ juv.	Pacific Ocean at the last monument, Mex. Bd. Line								
11252	12	Ægialitis nivosa	♂ ad.	do	169	347	108.	53	15,7.	25,3	18	
11253	12	" "	♂ ad.	do.	172	350	109	53	16,7	23,8	19	
11254	12	" "	♂ ad.	do	164	334	103	48	15,8	24	18	
11255	12	" "	♀	do	176	358	111	51	15,5	26	19	
11256	12	" "	♀ juv.	do								
11257	12	" "	♀ juv.	do								
11258	12	Sterna antillarum	♀ ad.	do	213	495	174	74	24	15,2	16	
11259	12	" "	♂ ad.	do	228	522	181	78	29,5	16	16,8	
11260	12	" "	♂ ad.	do	237.	510	175	87	28	16	16	
11261	12	" "	♀ ad.	do	230	510	175	85	25,3	16	16	Has recently oviposited.
11262	12	" "	♂ ad.	do	235	505	174	85	26,5	16	16	
11263	12	Ammodramus beldingi ~~rostratus~~	♀ juv.	do								
11264	12	" "	♂ juv.	do								
11265	13	" "	♂ ad.	do	141	224	67	47,5	12	20,3	20,8	
11266	13	" "	♀ ad.	do	132	211	63	47,5	12	20	20	
11267	13	" "	♀ ad.	do	133	215	65	46	12,2	21	20	
11268	13	" "	♂ ad.	do	141	220	66	49	12,6	21	21	
11269	13	" "	♀ juv.	do								
11270	13	" "	♀ juv.	do								
11271	13	Ammodramus ?	♀ juv.	do								
11272	13	Ægialitis nivosa	♀ ad.	do	173	354	109	49	15,2	24	16,5	
11273	13	" "	♂ ad.	do	171	346	107.	53	14,7.	25	17.	
11274	13	" "	♀ juv.	do								
11275	13	" "	♂ juv.	do								
11276	16	Strix pratincola ~~Aluco flammea~~	♂ ad.	do	396	1120	336	155	22	77	53	Stomach empty.
11277	16	Erismatura rubida	♀ ad	do	385	573	143	89	40	33	63	
11278	16	Ardea herodias	♀ juv.	do	Head, only, preserved							
11279	17	Guiraca c. eurhyncha	♂ ad.	do	189	288	93	79	16	21	20	
11280	17	Rallus obsoletus	♀ ad.	Mouth of Tia Juana River, near do	379	523	153	71	54	51.5	57	
11281	17	" "	♂ ad	do	418	580	168	75	61	60	64	
11282	17	" "	♂ juv	do								
11283	17	" "	♀ juv	do								
11284	Aug 8	Harporhynchus redivivus	♂ juv.	Pine Valley, San Diego Co., Calif.								
11285	8	Amphispiza belli	♀ ad.	do	150	210	66	70	11	20	18	
11286	8	Spinus lawrencei	♀ juv.	do		—						
11287	8	" "	♂ juv.	do								
11288	8	" "	♀ ad.	do	123	210	68	50	8.8	13.5	15.7	molting.
11289	8	" "	♀ ad.	do	119	205	66	48	8.5	13.6	15.5	"

No.	Date 1894 Aug.	Name.	Sex and age.	Locality.	Length.	Alar expanse	Wing.	Tail	Culmen	Tarsus	Middle toe and claw.	Remarks
11290	8	Spinus lawrencei	♂ im.	Pine Valley, San Diego Co., Calif.	126	213	69	52	8.7	13.3	15.9	Molting.
11291	8	" "	♀ ad.	do	124	211	68	51	8.5	13.5	15.5	"
11292	8		♀ ad.	do	122	205	66	49	9.6	13.8	15.8	"
11293	8	Melanerpes f. bairdi	♀ juv.	do								Shot by Stephen Barlow
11294	9	Cyanocitta s. frontalis	♂ ad.	do								—
11295	9	Trochilus alexandri	♀ ad.	do								—
11296	9	Piranga ludoviciana	♂ ad.	do								—
11297	9	Accipiter cooperi	♂ juv.	do								do
11298	10	Cyanocitta s. frontalis	♀ ad.	do								
11299	10	Sitta c. aculeata	♂ ad.	do								
11300	10	Sitta pygmaea	♀ ad.	do								Molting badly
11301	10	~~Dryobates v. hylosco~~	♂ im.	do								
11302	10	Dryobates v. hyloscopus	♂ ad.	do								
11303	10	Dendroica nigrescens	♂ ad.	do								
11304	10	" "	♂ juv.	do								
11305	10	Spinus lawrencei	♂ ad.	do								
11306	10	Spinus p. arizonae	♂ ad.	do								
11307	10	" " "	♂ ad.	do								
11308	10		♀ ad.	do								
11309	11	Spinus lawrencei	♂ ad.	do								
11310	11	" "	♂ ad.	do								
11311	11	" "	♂ ad.	do								
11312	11	" "	♂ ad.	do								
11313	11	" "	♂ ad.	do								
11314	11	" "	♂ ad.	do								
11315	11	" "	♀ ad.	do								Destroyed
11316	11	" "	♀ ad.	do								
11317	11	" "	♀ ad.	do								
11318	11	" "	♀ ad.	do								Destroyed
11319	11	" "	♀ juv.	do								
11320	11	" "	♀ juv.	do								Destroyed
11321	11	" "	♂ juv.	do								
11322	11	" "	♀ juv.	do								
11323	11	Sylvania pusilla	♂ ad.	do								
11324	11	" "	♀ ad.	do								
11325	23	[illegible]	♀ ad.	[illegible] W. Pa. O.	144	205	64	58	10	17	13.7	
11326	23	[illegible]	♀ ad.	do	245	497	153	72	24	28	30	
11327	23	[illegible]	♂	do	156	247	79	65	10.8	16.5	19.5	
11328	23	[illegible]	♀ ad.	do	159	2~~1~~05	63	62	12	22	22	

No.	Date 1894 Aug	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11,329	23	Melospiza f. clementae	♂ ad	San Clemente Id. Ca. O.								Bill brownish gray, fleshy at base of mandible, iris hazel. ~~legs~~ Feet light purplish brown
11330	23	" "	♂ ad	do	162	223	68	68	12	22.3	21.5	
11331	23	" "	♂ ad	do	165	219	68	73	13	22.8	23	
11332	24	Strepsilas melanocephala	♂ ad	do	240	483	151	68	25	28	29	
11333	24	" "	♂ ad	do	247	490	156	72	24.6	28	30	
11334	24	Amphispiza belli	♂ ad	do	156	226	71	71	11	21.5	19.5	
11335	24	Corvus corax	♀ ad	do	580	1185	392	238	58	69	60	height of bill 25, width 30 mm
11336	24	Totanus incanus	♀ ad	do	298	552	181	80	41	35	29	
11337	24	" "	♂ juv	do	2							
11338	24	Salpinctes	♀ ad	do	147	222	69	55	17	20	17	
11339	24	Carpodacus	♂ ad	do	164	256	79	69	12.5	19	20	
11340	24	Melospiza f. clementae	♀ ad	do	161	214	64	69	13	21	21.5	
11341	24	" "	♀	do								
11342	24	" "	♀ ad	do	154	208	62	63	12.7	21.3	22	Molting.
11343	24	" "	♀ juv	do								
11344	[illegible]	[illegible] melanocephala	♂ ad	do	285	490	152	66	24.5	26.5	28	
11345	[illegible]	Carpodacus	♂ ad	do	162	[illegible]	80	65	13	19	20.5	
11346	[illegible]	"	♂ juv	do								
11347	25	[illegible]	♀ ad	do	222	280	88	109	15.3	28	30	
11348	[illegible]	[illegible]	♀ ad	do	141	181	56	58	16	20	18	
11349	25	[illegible] belli	♀ ad	do	152	210	66	62	10.3	21.5	18.5	
11350	25	[illegible]	♂ ad	do	157	215	65	67	13	21.5	21	
11351	25	[illegible]	♂ ad	do	243	460	155	67	24	27	29	
11352	25	Corvus corax	♀ ad	do								
11353	25	" "	♀ juv	do								
11354	26	[illegible]	♀ ad	do	136	177	53	52	16.5	20	18	
11355	26	[illegible]	♂ ad	do	226	286	90	118	15	29	30	Iris red.
11356	26	[illegible]	♂ juv						16.3	20	17.5	Molting badly
11357	26	Carpodacus	♂ ad		164	252	80	68	12	18.5	20	
11358	26	"	♀ ad									
11359	26	"	♀ juv	do								
11360	26	Melospiza f. clementae	♀ ad	do	162	240	64	68	12.5	22	21	
11361	26	" "	♂ ad	do	160		490	195	160	178	120	Iris yellow
11362	26	Ardea herodias	♂ ad	do	162	217	65	68	12.8	22.5	22	
11363	26	Amphispiza belli	♂ ad	do	156	224	71	70	11	20.6	18	
11364	26	Zenaidura macroura	♂ ad	do	312	467	156	150	15	21	26	
11365	26	[illegible] tubicornis	♂ ad	do	227	420	136	73	24	28	22	
11366	27	Melospiza f. clementae	♀ ad	do	156	203	62	68	12.5	20	21	
11367	27	[illegible]	♂ ad	do	141	183	56	59	16.2	19.5	17.5	Iris hazel.

No.	Date 1894 Aug	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe w/o claw	Remarks
11368	27	Larus l. gambeli	♀ ad.	San Clemente Id. Pa. Ocean	222	314	96	97	16	27	23.8	
11369	27	Ægialitis semipalmatus	♀ im.	do	182	390	126	60	13	25	20	
11370	27	Ereunetes occidentalis	♂ ad.	do	163	308	98	43	23	23	19	
11371	27	"	♂ ad.	do	166	314	101	46	23	23	19	
11372	27	Strepsilas melanocephala	♂ ad.	do	238	482	150	69	24	26	27	
11373	27	Melospiza clementae	♂ ad.	do	164	220	67	72	12.8	22	22.5	Caught in "cyclone" trap
11374	27	Strepsilas interpres	♂ ad.	do	230	475	154	70	22	27	26	
11375	27	Pipilo m. megalonyx	♀ ad.	do	215	260	83	103	15.5	29	28	Molting badly.
11376	28	Helminthophila c. sordida	♀ ad.	do	132	195	63	55	12	18	15.3	
11377	28	Otocoris a. insularis Towns.	♂ ad.	do	177	315	101	73	12.3	22	19	
11378	28	"	♂ ad.	do	180	320	103	73	12.5	22	19	
11379	28	"	♂ ad.	do	179	321	103	74	13	22	19	
11380	28	"	♀ ad.	do	174	210	100	70	13	22	18.5	
11381	28	"	♀ ad.	do	171	298	96	68	13	22	19	Mating
11382	28	Melospiza f. clementae	♀ ad.	do	157	205	63	66	12.7	22.5	21	
11383	28	"	♀ ad.	do	160	207	64	67	12	22.5	21.5	
11384	28	Actitis macularia	♀ ad.	do	199	339	104	56	26	26	24	
11385	28	Otocoris	♀ ad.	do	170	296	95	71	12.5	21.5	18	
11386	28	Heteractitis incanus	♀ ad.	do	290	584	172	62	39	36	33	
11387	28	Arenaria melanocephala	♂ ad.	do	235	476	150	66	23.5	26	27.5	
11388	28	" "	♀ ad.	do	243	490	156	70	24	28	28	
11389	28	" "	♀ ad.	do	244	497	156	70	25	28	29	
11390	28	" "	♂ ad.	do	236	480	152	67	23.5	26	28	
11391	28	" "	♂ ad.	do	244	487	153	68	23.5	26	28	
11392	28	Phalacrocorax penicillatus	♀	do	740	1160	266	135	68	64	101	
11393	28	Larus occidentalis	♀ ad.	do	565	1400	400	170	53	64	64	
11394	28	" "	♀	do	582		373	176	53	68	68	
11395	28	Corvus c. [illegible]	♀ ad.	do	590		417	245	64	70	58	Length of bill 27
11396	28	Tringa minutilla	♂ ad.	do	150	295	92	47	29	19.5	20	
11397	[illegible]	[illegible]	[illegible]	[illegible] San Diego [illegible]								Presented by [illegible]
11398	17	Harporhynchus redivivus	♂ ad.	Ocean Beach, (~~near San Diego~~ San Diego Co.), Cal.								
11399	17	Ægialitis nivosa	♀ im.	do								
11400	17	Ammodramus rostratus	♀ ad.	do								
11401	17	Ammodramus rostratus	♀ ad.	do								
11402	17	Ammodramus ~~s. bryanti~~ beldingi	♀ im.	do								
11403	17	" " "	♂ ad.	do								
11404	17	Otocoris a chrysolaema	♂ ad.	do								
11405	Sept 1	" " "	♂ ad.	City Park, San Diego, Cal.	178	320	103	74	12	21	18	
11406	1	" " "	♀ ad.	do	167	299	96	68	12	20.3	17	

No.	Date 1894 Sept	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11407	1	Chamaea f. henshawi	♂ ad.	City Park, San Diego, Calif.	171	192	62	90	11.7	25	17.5	
11408	1	Calyptae annae	♂ ad.	do	105	127	47	32	20			
11409	1	" "	♂ ad.	do	107	129	48	33	20			
11410	1	" "	♀ ad.	do	103	130	49	32	19.8			
11411	1	" "	♂ juv.	do	103	128	48	31	18.5			
11412	3	Ammodramus beldingi	♂	San Diego Harbor, Calif.								
11413	3	" "	♂	do								
11414	3	" "	♂	do								
11415	3	" "	♂	do								
11416	3	" "	♀	do								
11417	3	" "	♀	do								
11418	3	" "	♀	do								
11419	3	" "	♀	do								
11420	3	Ereunetes occidentalis	♀ ad.	do								
11421	3	Larus occidentalis	♂ ad.	do								
11422	3	" "	♂ juv.	do								
11423	3	Phalacrocorax d. albociliatus	♂ ad.	do								
11424	3	" " "	♂ ad.	do	377	1350	335	188	65	75	92	
11425	3	Symphemia s. inornata	♂	do	403	745	220	98	61	69	43	Gullet contained a flounder (No. 226).
11426	3	Oidemia perspicillata	♀ ad.	do								
11427	3	Pelecanus californicus	- ad.	do	Weathered skull found on the outer beach.							
11428	3	Otocoris a. chrysolaema	♂ ad.	do								
11429	Aug. 17	Ammodramus rostratus	♀ ad.	do								
11430	March 30	Anas cyanoptera	♀ ad.	Las Cayas, Sonora.								Preserved in alcohol.
	1895 June											
11431	20	Dendroica discolor	♂ ad.	Ft. Myer, Virginia	122	186	58	52	10	17.5	13.5	
11432	"	Setophaga ruticilla	♀ ad.	do	133	192	63	59	8.5	16.5	13.3	
11433	"	Vireo olivaceus	♂ ad.	do	162	256	84	62	13.7	18.	15.	
11434	"	Pipilo erythrophthalmus	♂ ad.	do	212	280	86	99	14.2	31	27.5	
11435	"	Galeoscoptes carolinensis	♂ ad.	do								Tip of bill shot away.
11436	"	Contopus virens	♂ ad.	do	162	270	89	70	15.	14.2	13	
11437	21	Ampelis cedrorum	♂ ad.	do								
11438	26	Colaptes auratus	♂ ad.	Damascus, Maryland.	305	500	155	112	25.5	30.5	32.	This specimen was accidentally destroyed.
11439	28	Vireo olivaceus	♂ ad.	Thurmont, Maryland.	163	266	86	61	13.5	19.	16	Iris red. Stream in the Blue Ridge Mountains.
11440	July 1	Melanerpes erythrocephalus	♂ ad.	Gettysburg, Pennsylvania	252	445	139	91	27.5	24	26.7	Oak woods, on the spot where Genl. Reynolds was killed
11441	1	Sitta carolinensis	♀ im.	do	150	282	95	50	17	19	21.5	do
11442	1	"	♂ ad.	do	149	285	95	51	19	19.5	22.	do
11443	1	Troglodytes aëdon.	♂ ad.	do	123	170	51	42	13.	18	16	
11444	2	Harporhynchus rufus	♂ juv.	do								
11445	2	Galeoscoptes carolinensis	♂ ad.	do								

(Continued on page 338)

[See notes on the trip to Gettysburg and back to Fort Myer on page 44 of this book.]

Summary of Birds collected by the biological section of the International Boundary Commission. United States and Mexico.

The birds collected by Dr. Mearns, separately, and by "Mearns and Holzner" jointly, are numbered consecutively from 7566, Fort Worth, Texas, February 1, 1892 to 11,430, San Diego, Calif., September 3, 1894.

At such times as Mr. Frank X. Holzner was separated from me, he kept his own register, commencing with No. 1246, San Pedro River, Ariz., Nov. 2, 1892, and ending with 2921, Pacific Ocean at mouth of Tia Juana River, Calif., July 14, 1894.

Nearly all of these specimens were measured by Dr. Mearns, excepting Nos. 1246 to 2179 of Mr. Holzner's collection, which were measured by him.

Birds coll'd by Dr. Mearns and by Mearns & Holzner,	3865
Collected by Mr. Frank X. Holzner	1676
Total	5541
Sent by Holzner to Am. Mus. Nat. Hist. N.Y.	371
Total sent to Smithsonian Coll'n	5178.

(Jan. 15, 1895.) Edgar A. Mearns.

Summary of Mammals collected by the biological section of the International Boundary Commission United States and Mexico.

The mammals collected by Dr. Mearns, separately, and by "Mearns and Holzner" jointly, are numbered consecutively from 1412 (~~Vesperimus~~ Sitomys, El Paso, Texas, February 3, 1892) to 3829 (Urocyon littoralis, San Clemente Island, California, August 28, 1894).

At such times as Mr. Frank X. Holzner was separated from me, he kept his own register, commencing with No. 759 (Sitomys, San Pedro River, Arizona, Nov. 1, 1892), and ending with No. 1605 (Procyon, Pacific Ocean at mouth of Tia Juana River, California, July 16, 1894).

Nearly all of these specimens were measured by Dr. Mearns, excepting Nos. 759 to 1119 of Mr. Holzner's collection, which were measured by him.

Mammals collected by Dr. Mearns and by Mearns and Holzner,	2418
Collected by Mr. Frank X. Holzner	847
Total	3265
Sent by Holzner to Am. Mus. Nat. Hist. N.Y. (about)	233
Total sent to the U. S. National Museum.	3032

(January 15, 1895.) Edgar A. Mearns

Sent by Holzner to Am. M. N. H. [illegible] 1, 189[illegible] 68[illegible]
" " " " [illegible] 1, 189[illegible] [illegible]
3[illegible]
Sent by A. W. Anthony 45[illegible]
3[illegible]

No.	Date 1895	Name	Sex and age	Locality	Length	Alar expanse	Wing	Tail	Culmen	Tarsus	Middle toe and claw	Remarks
11446	~~July~~ July 2	Spinus tristis	♂ ad.	Gettysburg, Pennsylvania								
11447	2	" "	♂ ad.	do								
11448	2	Vireo olivaceus	♂ ad.	do								
11449	2	Molothrus ater	♂ juv.	do								
11450	7	Vireo olivaceus	♀ ad.	Damascus, Maryland.	156	250	81	56	12.5	20	15.3	Iris red.
11451	7	Geothlypis trichas	♀ juv.	do								
11452	7	Icterus spurius	♂ ad.	do	187	265	85	76	16	21.5	20	
11453	7	" "	♂ ad.	do	190	270	86	77	17	22.	21	
11454	8	Geothlypis trichas	♂ ad.	Norbeck, Maryland.	126	173	53	49	10.6	20.5	17	Shot in a Juniperus virginianus.
11455	8	Ammodramus s. passerinus	♂ ad.	do	130	205	64	47	12.	20.5	18	Shot in a harvested wheatfield
11456	8	" " "	♂ juv.	do								do
11457	8	Poocaetes gramineus	♂ ad.	do	152	250	77	62	11	19.5	17.3	do
11458	Aug. 4	Pipilo erythrophthalmus	♂ juv.	Fort Myer, Virginia								Skinned by Dr. A. K. Fisher.
11459	4	Galeoscoptes carolinensis	♀ juv.	do								do
11460	4	Turdus mustelinus	♂ juv.	do								do
11461	4	Compsothlypis americana	♂ ad.	do								do
11462	Sept 16	Spizella pusilla	♀ ad.	do	Molting.							
11463	16	Melospiza fasciata	♀ juv.	do								
11464	16	Galeoscoptes carolinensis	♂ juv.	do	Stomach filled with wild cherries							
11465	16	Vireo noveboracensis	♂ ad.	do	134	200	63	49	12	20	15	Iris grayish white. Stomach con= tained, remains of beetles + a catterpillar.
11466	Nov. 3	Zonotrichia albicollis	♂	do	180	249	80	80	11.5	24	22	
11467	3	Melospiza fasciata	♀ ad.	do	168	228	71	71	13.	22	21	
11468	3	Passer domestica	♂ im.	do								
11469	28	Melospiza fasciata	♀ ad.	do	169	225	69	71	12	22	22	
11470	28	Passerella iliaca	♀ ad.	do	188	277	98	74	13	24	25	

Bird 'Record' continued in smaller, red notebook

Cariacus ~~mexicanus~~ couesi. ♀(ad.?) Sent by Mr. Holzner to U.S.N.M. from Nogales, Sonora. Shot Dec. 23, 1892. Length 1330; tail vert. 206; ear above crown, 197; ear above notch, 166; nose to eye 137; to ear, 217; ~~occiput~~, centre of pupil, 145; occiput, 267. Height at shoulder 643; at hip, 746. Head of humerus to end of hoof ~~head of femur~~, 480(?) Manus, 275; pes, 580 (or 380!); fore limb from olecranon, 500; from coracoid, 593.
Measured by Mr. Holzner. Not numbered in his collection!.

No	Entered at page	Name	Sex and age	Length in straight line	Tail to end of vertebrae	Tail to end of hairs	Ear above crown	Ear above notch	Width of ear	Between eyes	Diameter of eye	Tip of nose to angle of mouth	Nose to eye	To centre of pupil	To ear	To tip of ear / to occiput	To end hinder extremity	From shoulder to hip	Height at shoulder	Height at hip	Fore limb from olecranon	Fore limb, length of manus	Hind limb from knee-joint ~~Sex and age~~	Length of pes
2755	116	C. mexicanus	♀ ad.	1450	260	330	183	155	140	90	24	80	151	168	233	260 / 425	1930	740	790	870	527	280	625	390
				girth of chest, 1776																				
3593	162	C. macrotis	♂ juv.	1325	150*	250	223	192	123	108	22	78	144	160	233	465	—	630	890	965	557	316	665	435

* See vertebrae preserved, measuring 200mm.

Report of Biological work of International Boundary Commission, for the period from November 1st, 1893, to September 30th, 1893. Submitted by Captain and Assistant Surgeon Edgar A. Mearns, U.S.A., Medical Officer of the Commission.

My last report was made at the San Pedro River, October 31st, 1892, at which time my connection with the survey was interrupted by an order from the War Department sending me to Fort Clark, Texas, at which place I was stationed eight months (including one month spent on detached service at Fort Hancock, Texas), and then re-assigned to duty with the monument building party of the International Boundary Commission, camped at San Pedro River, where I reported in July, 1893, pursuant to orders from the War Department.

During these periods I made extensive collections of vertebrates, molluscs, plants and minerals, at Forts Clark and Hancock, on the Upper Rio Grande, Texas, all of which were shipped to Washington to form a part of the boundary collection. While with the monument party from July to October, 1893, I personally gathered 180 mammals, nearly 300 birds, about 1500 plants, and a collection of minerals, fossils and shells.

While these personal collections, aggregating about 2000 vertebrates, and a like number of plants, etc., were being made, my assistant, Mr. Frank X. Holzner, has been employed in collecting vertebrates, minerals and shells (mostly birds and mammals) by the United States National Museum, except during the period from January to June. When I left the

survey last November I requested the National Museum to continue Mr. Holzner, the taxidermist, until the completion of work on the parallel 31° 20'. He was discharged near Nogales, on December 31st [it was Dec. 15th], 1892, having collected 117 birds and 108 mammals between the San Pedro River and Nogales.

In May, 1893, Mr. Holzner again entered the field, and collected 13 mammals and 416 birds on the Santa Cruz River and the Patagonia Mountains. Though these were collected by him at his personal expense, with a view to sale, he consented to turn them in to the boundary collection at Washington, provided that the United States National Museum should date his salary back to June 1st, 1893, which was done at my request, and he is still carried on the rolls of that museum. He is collections since my last report, thus aggregating 863 birds and 328 mammals.

More than 2000 birds and mammals have been added to the boundary collection since my last report, dated October 31, 1892.

Edgar A. Mearns

Captain E. A. Mearns, Assistant Surgeon, U.S.A., Medical Officer with the monument party, submits the following memorandum of biological work:

October was spent in traveling along the boundary line between the San Luis Mountains, New Mexico, and Nogales, Ariz. Ty., along the parallel 31° 20', and thence up the Santa Cruz valley to Tucson, for the especial purpose of completing my notes on the distribution of forest trees and coarse vegetation along the boundary line.

My detachment consisted of the hospital corps and Mr. Payne, the photographer, who made good negatives of 32 species of forest trees and coarse shrubs for the purpose of illustrating the botanical report. A botanical specimen was taken from each typical tree that was photographed, and a large number of plants, in addition to these, were gathered. A collection of rocks, and a few fossils and recent shells, together with 92 mammals and 120 birds, were gathered en route. Some of these specimens were of unusual interest, especially a series of 30 mice collected at the town of Santa Cruz, Sonora, Mexico, representing the species Sitomys sonoriensis from the type locality (Santa Cruz) where the species was originally collected by the naturalists of the old Mexican boundary survey under Major Emory. The group of mice which this species represents has since proven to be a very large one. The original types having deteriorated from long immersion in spirits, it has been impossible for the naturalists who have recently studied this economically important group of mice to determine exactly what species was meant by the vague description of Sitomys sonoriensis and the nomenclature of the whole group has remained involved and uncertain until some one could re-visit the type locality and re-establish an indubitable duplicate type. My recent visit to Santa Cruz enables me to do this.

Edgar A. Mearns.

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